



NATIONAL SCIENCE BOARD SCIENCE & ENGINEERING INDICATORS 2024



Higher Education

Higher Education in Science and Engineering

Supplemental Tables

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This publication is part of the 2024 edition of the *Science and Engineering Indicators (Indicators)* suite of reports. *Indicators* is prepared under the guidance of the National Science Board by the National Science Foundation's National Center for Science and Engineering Statistics. The *Indicators* suite consists of a summary report called *The State of U.S. Science and Engineering*, more-detailed thematic reports with supporting data, and a data tool that provides state-level indicators.

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Table SAHED-1

Crosswalk of S&E fields for international higher education data, by selected region, country, or economy and field

(List of fields)

<i>Indicators 2024</i>	China ^a	India	OECD (ISCED-F 2013)
Physical and biological sciences and mathematics and statistics	Science	Science	05 Natural sciences, mathematics, and statistics
Computer sciences	NA	IT and computer	06 Information and communication technologies
Agricultural sciences	Agriculture	Agriculture	08 Agriculture, forestry, fisheries, and veterinary
		Veterinary and animal sciences	
		Fisheries science	
Social and behavioral sciences	Economics	Area studies	03 Social sciences, journalism, and information
		Cultural studies	
		Social science	
		Women studies	
		Library and information science	
		Journalism and mass communication	
Engineering	Engineering	Engineering and technology	07 Engineering, manufacturing, and construction
		Marine sciences and oceanography	

NA = not available.

ISCED = International Standard Classification of Education; ISCED-F = ISCED Fields of Education and Training; IT = information technology; OECD = Organisation for Economic Co-operation and Development.

^a China data include computer sciences under engineering.**Source(s):**

Organisation for Economic Co-operation and Development (OECD), *Education at a Glance*; National Bureau of Statistics of China, *China Statistical Yearbook*; People's Republic of China, Ministry of Education data; Government of India, Ministry of Education, Department of Higher Education, *All India Survey on Higher Education*.

Science and Engineering Indicators

Table SHED-1
Minority-serving institutions, by type, institutional control, and highest award conferred: 2021

(Number)

Institutional control and highest degree awarded	Alaska Native and Native Hawaiian–serving institutions	Asian American and Native American Pacific Islander–serving institutions	Hispanic-serving institutions	Historically Black colleges and universities	Native American–serving nontribal institutions	Predominantly Black institutions	Predominantly White institutions	Tribally controlled colleges and universities	Institutions with more than one designation
Total	16	191	516	100	30	64	2,838	35	139
Public	11	136	344	51	27	53	1,183	30	106
Award of less than 1 academic year	0	0	0	0	0	0	4	0	0
At least 1 but less than 2 academic years	0	0	0	0	0	0	153	0	0
Associate's degree	5	44	139	11	13	29	410	15	40
At least 2 but less than 4 academic years	0	22	50	0	2	14	145	0	21
Bachelor's degree	3	23	62	3	4	4	121	9	11
Postbaccalaureate certificate	0	0	1	0	0	0	2	0	0
Master's degree	1	4	18	7	7	1	77	6	3
Post-master's certificate	0	4	6	3	0	1	39	0	3
Doctor's degree	2	39	68	27	1	4	232	0	28
Private nonprofit	5	55	172	49	3	11	941	5	33
Award of less than 1 academic year	0	0	0	0	0	0	6	0	0
At least 1 but less than 2 academic years	0	0	0	0	0	0	14	0	0
Associate's degree	1	2	7	1	1	1	39	2	2
At least 2 but less than 4 academic years	0	0	1	0	0	0	40	0	0
Bachelor's degree	0	3	22	23	1	0	210	3	2
Postbaccalaureate certificate	0	0	0	0	0	0	6	0	0
Master's degree	1	11	55	15	0	8	242	0	9
Post-master's certificate	0	3	11	1	0	0	57	0	2
Doctor's degree	3	36	76	9	1	2	327	0	18
Private for profit	0	0	0	0	0	0	714	0	0
Award of less than 1 academic year	0	0	0	0	0	0	45	0	0
At least 1 but less than 2 academic years	0	0	0	0	0	0	429	0	0
Associate's degree	0	0	0	0	0	0	88	0	0
At least 2 but less than 4 academic years	0	0	0	0	0	0	93	0	0
Bachelor's degree	0	0	0	0	0	0	28	0	0
Postbaccalaureate certificate	0	0	0	0	0	0	22	0	0
Master's degree	0	0	0	0	0	0	1	0	0
Post-master's certificate	0	0	0	0	0	0	8	0	0
Doctor's degree	0	0	0	0	0	0	0	0	0

Note(s):
Includes institutions that met Title III or Title V definitions of various types of minority-serving institutions for 2022 and predominantly White institutions (i.e., institutions where White students made up more than 50% of total student enrollment). *Institutional control* refers to whether an institution is operated by publicly elected or appointed officials (*public control*) or by privately elected or appointed officials and derives its major source of funds from private sources (*private control*).

Source(s):
National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Institutional Characteristics Survey; U.S. Department of Education, Office of Postsecondary Education, 2022 Eligibility Matrix, <https://www2.ed.gov/about/offices/list/ope/itudes/eligibility.html>, accessed 17 July 2023.

Table SHED-2

Enrollment in minority-serving institutions, by MSI type, degree program level, and whether majoring in S&E and S&E-related fields: 2016

(Number and percent)

Degree program level and S&E and S&E-related field	All degree-granting institutions	Asian American and Native America Pacific Islander–serving institutions	Hispanic-serving institutions	Historically Black colleges and universities and predominantly Black institutions	Tribally controlled colleges and universities, Alaska Native and Native Hawaiian–serving institutions, and Native American–serving nontribal institutions	Institutions with more than one MSI designation	Enrollment in any MSI	Percent share of total enrollment in any MSI
Undergraduate	17,800,600	454,500	2,876,000	448,000	72,800	1,530,000	5,381,300	30.2
Science, engineering, mathematics, psychology, social sciences, and health	7,570,700	215,800	1,074,400	178,200	30,700	671,500	2,170,600	28.7
Other fields	10,229,900	238,700	1,801,600	269,800	42,100	858,500	3,210,700	31.4
Certificate	1,657,700	24,500	187,300	55,300	3,300	76,400	346,900	20.9
Science, engineering, mathematics, psychology, social sciences, and health	670,500	9,500	53,100	20,200	1,600	23,400	107,900	16.1
Other fields	987,300	15,000	134,200	35,100	1,700	53,000	238,900	24.2
Associate's degree	7,414,100	268,100	1,840,600	237,400	21,500	845,200	3,212,800	43.3
Science, engineering, mathematics, psychology, social sciences, and health	2,823,800	107,300	630,200	86,500	10,300	335,200	1,169,500	41.4
Other fields	4,590,300	160,800	1,210,300	150,900	11,200	510,100	2,043,300	44.5
Bachelor's degree	8,728,800	161,900	848,100	155,200	48,000	608,400	1,821,600	20.9
Science, engineering, mathematics, psychology, social sciences, and health	4,076,400	98,900	391,100	71,400	18,800	312,900	893,200	21.9
Other fields	4,652,400	62,900	457,000	83,800	29,200	295,500	928,500	20.0
Graduate	2,822,800	75,300	279,400	35,300	3,200	155,400	548,500	19.4
Science, engineering, mathematics, psychology, social sciences, and health	1,206,800	33,600	108,300	13,100	400	81,700	237,200	19.7
Other fields	1,616,000	41,600	171,000	22,200	2,800	73,700	311,400	19.3
Master's degree	2,448,900	65,900	255,100	31,200	3,200	140,900	496,300	20.3
Science, engineering, mathematics, psychology, social sciences, and health	992,500	28,500	91,500	11,900	400	72,700	205,100	20.7
Other fields	1,456,400	37,400	163,500	19,300	2,800	68,100	291,100	20.0
Doctoral degree	373,900	9,300	24,300	4,100	s	14,600	52,300	14.0
Science, engineering, mathematics, psychology, social sciences, and health	214,300	5,100	16,800	1,200	s	9,000	32,000	15.0
Other fields	159,600	4,200	7,500	2,900	s	5,600	20,200	12.7

s = suppressed for reasons of confidentiality and/or reliability.

MSI = minority-serving institution.

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs. Numbers presented are weighted counts and are rounded to the nearest hundred. Detail may not sum to totals because of rounding.

Source(s):
National Center for Education Statistics, 2015–16 National Postsecondary Student Aid Study (NPSAS:16); U.S. Department of Education, Office of Postsecondary Education, 2022 Eligibility Matrix, <https://www2.ed.gov/about/offices/list/ope/ides/eligibility.html>, accessed 17 July 2023.

Table SHED-3

Community college awards, by award level and field: 2012–21

(Number)

Award level and field	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total	1,060,270	1,089,726	1,129,110	1,169,458	1,152,339	1,167,606	1,186,855	1,211,368	1,156,424	1,145,489
Certificate	434,891	449,633	474,693	493,604	484,947	496,262	509,462	522,879	501,035	490,745
S&E fields	25,376	27,597	32,942	34,288	34,493	36,146	39,555	40,232	39,162	39,459
Agricultural sciences and natural resources	4,956	5,239	5,057	5,194	5,917	6,123	5,896	6,808	5,960	4,775
Biological and biomedical sciences	107	97	176	148	217	292	266	506	276	1,301
Computer and information sciences	14,079	15,842	20,104	20,385	19,776	20,926	23,861	24,147	24,465	25,483
Engineering	359	421	485	540	557	547	470	684	534	418
Geosciences, atmospheric sciences, and ocean sciences	9	18	16	21	19	6	9	3	4	5
Mathematics and statistics	25	25	124	102	129	148	177	91	202	46
Multidisciplinary and interdisciplinary sciences	750	851	1,062	1,315	1,249	1,242	1,403	1,418	1,452	1,115
Physical sciences	38	30	161	118	146	171	183	122	296	97
Psychology	1,261	1,301	1,389	1,585	1,446	1,610	1,852	1,403	1,407	1,708
Social sciences	3,792	3,773	4,368	4,880	5,037	5,081	5,438	5,050	4,566	4,511
S&E-related fields	259,846	262,326	272,400	275,872	268,405	266,048	269,281	266,660	239,266	229,669
Health professions and related programs	138,820	140,403	138,811	136,212	129,069	125,660	125,857	122,904	110,657	111,462
Homeland security and fire protection	6,713	6,328	6,109	6,948	5,948	5,753	5,846	5,257	4,930	5,227
Science and mathematics teacher education	0	0	0	0	0	0	0	0	0	0
Technology and technical fields	20,022	20,892	22,861	24,379	25,614	25,293	26,960	27,307	22,771	21,887
Other S&E-related fields	94,291	94,703	104,619	108,333	107,774	109,342	110,618	111,192	100,908	91,093
Non-S&E fields	149,669	159,710	169,351	183,444	182,049	194,068	200,626	215,987	222,607	221,617
Associate's degree	625,379	640,093	654,417	675,854	667,392	671,344	677,393	688,489	655,389	654,744
S&E fields	74,951	81,745	87,768	95,015	97,155	100,876	106,582	112,618	113,823	118,150
Agricultural sciences and natural resources	7,026	6,922	7,110	7,697	7,594	7,852	7,699	7,695	7,375	6,669
Biological and biomedical sciences	3,393	3,753	4,001	4,351	4,263	4,529	5,070	5,636	5,686	6,979
Computer and information sciences	16,786	17,137	17,425	17,971	18,167	19,064	19,874	20,287	20,174	21,667
Engineering	3,115	3,430	3,930	4,424	4,716	5,304	5,595	5,396	5,316	5,123
Geosciences, atmospheric sciences, and ocean sciences	123	127	148	169	174	161	139	161	144	142
Mathematics and statistics	1,452	1,754	2,085	2,630	2,700	3,032	3,565	3,967	4,078	4,019
Multidisciplinary and interdisciplinary sciences	16,105	18,072	20,234	22,133	22,481	22,501	23,057	24,609	23,404	23,277
Physical sciences	3,065	3,304	3,560	3,940	4,078	4,119	4,804	5,072	4,894	4,606
Psychology	5,175	6,616	7,631	8,727	9,581	9,933	11,044	12,467	13,833	16,028
Social sciences	18,711	20,630	21,644	22,973	23,401	24,381	25,735	27,328	28,919	29,640
S&E-related fields	152,961	152,063	150,750	149,926	145,619	145,242	143,204	143,261	135,593	138,088
Health professions and related programs	107,469	108,068	106,693	105,623	100,655	99,545	98,464	99,198	95,193	98,728
Homeland security and fire protection	3,888	3,986	3,810	3,593	3,221	3,049	3,054	2,969	2,650	2,814
Science and mathematics teacher education	75	59	72	59	56	67	40	43	38	42

Table SHED-3

Community college awards, by award level and field: 2012–21

(Number)

Award level and field	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Technology and technical fields	21,348	19,814	19,620	19,700	19,556	19,503	19,002	18,130	16,388	15,661
Other S&E-related fields	20,181	20,136	20,555	20,951	22,131	23,078	22,644	22,921	21,324	20,843
Non-S&E fields	397,467	406,285	415,899	430,913	424,618	425,226	427,607	432,610	405,973	398,506

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs. Certificates include only awards of less than 2 academic years below the associate's degree level.

Source(s):
National Center for Science and Engineering Statistics, special tabulations (2022) of the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey, provisional release data.

Table SHED-4

Persistence and attainment among 2011–12 first-time postsecondary students who began postsecondary education in community colleges, by field: 2014 and 2017

(Percent)

Field	Number of 2011–12 first-time beginning postsecondary students	Persistence and attainment in 2014						Persistence and attainment in 2017				
		No attainment, not enrolled	No attainment, still enrolled	Certificate		Associate's degree	Bachelor's degree	No attainment, not enrolled	No attainment, still enrolled	Certificate	Associate's degree	Bachelor's degree
Total	1,345,774	43.7	29.9	7.6		16.5	2.4	46.1	14.2	8.9	18.4	12.3
Science, engineering, and mathematics	243,801	39.4	36.2	6.3		15.3	2.8	41.1	19.1	7.1	20.3	12.3
Psychology and other social sciences	53,527	39.3	34.7	2.7	r	17.9	5.3	42.1	19.7	5.4	13.8	19.0
Health and medicine	133,142	44.4	23.5	16.3		15.5	0.4	44.3	9.8	18.6	22.2	5.1
Other fields	909,062	44.7	28.9	7.0		17.0	2.4	47.9	13.2	8.1	17.7	13.1

r = relative standard error more than 50%.

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs. Students had formally declared their field of study at their institution. Attainment categories are mutually exclusive and represent the highest credential earned.

Source(s):
National Center for Education Statistics, 2012/17 Beginning Postsecondary Students Longitudinal Study (BPS:12/17).

Table SHED-5

Bachelor's degree recipients who began postsecondary education at a community college, by field: 2015–16

(Percent)

Number of bachelor's degree recipients	Total	Bachelor's degree field			
		Science, engineering, and mathematics	Psychology and other social sciences	Health and medicine	Other fields
2,039,000	26.5	25.4	26.4	31.8	26.9

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs.

Source(s):
National Center for Education Statistics, 2016/17 Baccalaureate and Beyond Longitudinal Study (B&B:16/17).

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Table SHED-6
U.S. citizen and permanent resident doctorate recipients who had earned an associate's degree, by sex, race, ethnicity, and historical doctoral field: 2017–21

(Percent)

Demographic characteristic	All fields	All S&E fields	Engineering	Agricultural sciences and natural resources	Biological and biomedical sciences	Health sciences	Physical sciences	Geosciences, atmospheric sciences, and ocean sciences	Computer and information sciences	Mathematics and statistics	Psychology	Social sciences	Non-S&E
All doctorate recipients	6.4	5.8	3.6	7.4	4.5	12.5	4.5	4.7	5.1	5.5	7.2	7.2	8.1
Sex													
Male	6.2	5.5	3.8	8.5	4.8	10.9	4.6	5.5	5.3	5.8	8.3	7.5	8.3
Female	6.6	6.0	3.0	6.3	4.2	13.1	4.4	3.8	4.7	4.7	6.7	6.9	7.9
Ethnicity and race													
Hispanic or Latino	10.2	9.2	5.7	8.7	8.2	18.0	7.5	7.6	10.6	9.8	10.5	11.0	12.5
Not Hispanic or Latino													
American Indian or Alaska Native	17.0	17.1	s	s	16.9	26.7	s	s	0.0	s	16.7	19.3	16.9
Asian	3.0	2.8	2.2	s	2.3	5.3	3.6	s	2.2	3.9	4.1	2.5	3.5
Black or African American	10.4	10.5	6.8	9.9	6.6	19.7	5.7	s	8.6	s	10.3	11.4	10.3
White	6.0	5.5	3.4	7.3	4.2	11.7	4.3	4.6	5.3	5.5	6.7	6.6	7.6
More than one race	7.8	7.1	6.1	10.2	4.9	12.7	6.1	6.0	5.3	8.1	9.2	8.2	10.3
Other race or race not reported	5.6	4.7	s	2.7	5.2	6.8	s	5.3	7.7	1.4	4.4	6.9	7.9
Ethnicity not reported	2.5	2.3	0.5	2.3	2.1	7.0	2.1	5.3	2.3	1.0	1.5	2.9	2.9

s = suppressed for reasons of confidentiality and/or reliability.

Note(s):
Hispanic or Latino may be any race; race categories exclude Hispanic origin. Data only include respondents to the associate's degree question.

Source(s):
National Center for Science and Engineering Statistics, special tabulations (2022) of the 2021 Survey of Earned Doctorates (SED).

Table SHED-7

Share of awards in S&E fields, by award level and state: 2021

(Percent)

State	Certificates	Associate's degrees	Bachelor's degrees	Master's degrees	Doctoral degrees
Alabama	3.9	2.5	32.2	14.5	59.2
Alaska	7.8	4.9	35.4	19.7	93.3
Arizona	9.5	11.6	25.0	16.8	61.0
Arkansas	4.2	5.5	30.9	12.2	65.1
California	4.6	34.9	49.2	30.6	68.1
Colorado	7.3	5.4	44.2	30.8	75.8
Connecticut	1.8	10.6	42.0	24.7	73.7
Delaware	0.3	8.3	39.4	20.8	57.0
District of Columbia	14.9	8.0	50.2	34.5	67.0
Florida	8.2	3.0	36.8	24.7	60.6
Georgia	8.9	10.3	39.1	29.2	70.3
Hawaii	11.1	11.3	37.3	28.7	68.1
Idaho	7.0	13.3	32.8	16.4	72.0
Illinois	4.8	19.5	34.6	25.4	63.6
Indiana	9.5	15.4	34.3	22.3	70.2
Iowa	6.7	9.4	36.6	22.2	78.8
Kansas	4.0	4.8	32.9	15.2	64.3
Kentucky	12.0	4.0	30.3	29.3	42.0
Louisiana	4.1	7.5	35.0	14.6	64.9
Maine	3.5	11.3	42.5	14.0	42.8
Maryland	8.4	9.5	51.7	34.7	75.7
Massachusetts	8.8	16.5	46.4	32.2	80.5
Michigan	6.7	7.0	39.2	28.8	68.8
Minnesota	8.1	8.9	36.2	17.5	49.8
Mississippi	4.8	10.6	30.4	15.6	57.6
Missouri	15.5	6.2	32.7	18.8	59.2
Montana	9.1	8.4	44.4	27.0	76.5
Nebraska	11.8	13.9	33.5	17.7	51.4
Nevada	7.2	14.4	38.6	16.2	81.2
New Hampshire	5.3	11.1	30.1	20.3	72.1
New Jersey	5.5	10.2	41.5	29.7	73.3
New Mexico	4.8	14.7	39.4	23.5	73.3
New York	2.6	11.0	40.7	27.6	69.5
North Carolina	22.5	8.8	40.6	23.9	69.6
North Dakota	1.9	10.2	35.2	17.8	67.5
Ohio	11.7	8.0	34.5	24.7	69.9
Oklahoma	11.5	20.8	33.6	24.4	65.1
Oregon	7.8	5.8	48.6	24.6	68.1
Pennsylvania	9.7	15.3	41.6	27.0	62.0
Puerto Rico	2.8	7.2	35.6	18.4	63.2
Rhode Island	2.9	5.9	36.8	26.5	77.0
South Carolina	3.5	5.2	36.1	17.8	66.9
South Dakota	13.9	21.1	37.0	26.7	68.9
Tennessee	4.5	5.1	29.9	16.7	53.6
Texas	9.1	10.3	37.2	24.7	65.5
Utah	8.9	11.0	26.9	12.3	73.8
Vermont	28.5	11.5	50.6	22.8	82.2
Virginia	2.6	25.9	40.7	24.7	52.8
Washington	13.8	9.2	48.0	32.4	81.8
West Virginia	7.2	7.6	33.5	19.4	78.3
Wisconsin	10.8	12.1	41.2	25.3	72.1

Table SHED-7
Share of awards in S&E fields, by award level and state: 2021

(Percent)

State	Certificates	Associate's degrees	Bachelor's degrees	Master's degrees	Doctoral degrees
Wyoming	9.2	22.6	51.4	33.4	81.7

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs. Certificates include only awards of less than 2 academic years below the associate's degree level. Doctoral degree programs include research doctoral degree programs only and do not include professional doctoral programs (e.g., Doctor of Medicine).

Source(s):
National Center for Science and Engineering Statistics, special tabulations (2022) of the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey, provisional release data.

Science and Engineering Indicators

Table SHED-8

Students who had any classes that were taught entirely online, by program level and field: 2012 and 2016

(Percent)

Program level and field	2012		2016	
Certificate				
Science, engineering, and mathematics	27.5		40.9	
Psychology and other social sciences	s		35.5	!
Health and medicine	14.6		24.5	
Other fields	15.6		27.6	
Associate's degree				
Science, engineering, and mathematics	37.8		45.0	
Psychology and other social sciences	40.9		44.1	
Health and medicine	35.5		47.7	
Other fields	34.4		47.0	
Bachelor's degree				
Science, engineering, and mathematics	29.8		41.1	
Psychology and other social sciences	31.8		42.7	
Health and medicine	36.3		50.3	
Other fields	33.9		45.1	
Master's degree				
Science, engineering, and mathematics	37.8		46.4	
Psychology and other social sciences	41.6		55.1	
Health and medicine	44.6		60.2	
Other fields	44.3		53.1	
Doctoral degree				
Science, engineering, and mathematics	7.5		12.7	
Psychology and other social sciences	14.1		31.4	
Health and medicine	34.7		42.4	
Other fields	28.8		37.5	

! = relative standard error is more than 30% and less than 51%; s = suppressed for reasons of confidentiality and/or reliability.

Note(s):

Data are based on institutions eligible to participate in Title IV federal financial aid programs. Certificates include only awards of less than 2 academic years below the associate's degree level. Doctoral degree programs include research doctoral degree programs only and do not include professional doctoral programs (e.g., Doctor of Medicine). Students had formally declared their field at their institution.

Source(s):

National Center for Education Statistics, 2011–12 National Postsecondary Student Aid Study (NPSAS:12) and 2015–16 National Postsecondary Student Aid Study (NPSAS:16).

Science and Engineering Indicators

Table SHED-9

Students whose degree program was taught entirely online, by program level and field: 2012 and 2016

(Percent)

Program level and field	2012		2016	
Certificate				
Science, engineering, and mathematics	4.7	!	8.1	
Psychology and other social sciences	s		s	
Health and medicine	2.2		9.2	
Other fields	3.3		7.1	
Associate's degree				
Science, engineering, and mathematics	5.3		8.0	
Psychology and other social sciences	6.7		9.3	
Health and medicine	6.3		11.2	
Other fields	5.5		10.0	
Bachelor's degree				
Science, engineering, and mathematics	6.8		11.2	
Psychology and other social sciences	7.2		10.6	
Health and medicine	10.3		14.1	
Other fields	8.6		13.4	
Master's degree				
Science, engineering, and mathematics	19.8		26.5	
Psychology and other social sciences	24.3		36.1	
Health and medicine	21.9		35.9	
Other fields	23.5		31.6	
Doctoral degree				
Science, engineering, and mathematics	1.8		5.0	
Psychology and other social sciences	8.1		24.1	
Health and medicine	11.3		27.5	
Other fields	11.2		26.5	

! = relative standard error is more than 30% and less than 51%; s = suppressed for reasons of confidentiality and/or reliability.

Note(s):

Data are based on institutions eligible to participate in Title IV federal financial aid programs. Certificates include only awards of less than 2 academic years below the associate's degree level. Doctoral degree programs include research doctoral degree programs only and do not include professional doctoral programs (e.g., Doctor of Medicine). Students had formally declared their field at their institution.

Source(s):

National Center for Education Statistics, 2011–12 National Postsecondary Student Aid Study (NPSAS:12) and 2015–16 National Postsecondary Student Aid Study (NPSAS:16).

Science and Engineering Indicators

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Hispanic or Latino	489	525	607	709	1,028	1,116	1,205	1,429	1,434	1,753
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	40	62	72	65	84	95	72	79	75	67
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Asian	62	61	67	69	92	80	110	128	112	103
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Black or African American	137	121	179	169	185	176	171	205	209	221
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	11	23	30	12	21	19	25	37	23	23
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	White	2,319	2,458	2,740	2,786	3,428	3,398	3,464	3,977	3,572	3,790
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	More than one race	60	89	86	112	129	129	197	259	268	193
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	176	187	153	133	173	134	166	193	213	231
Science and engineering	Agricultural sciences and natural resources	Female	Temporary resident	NA	14	13	15	23	18	23	20	36	52	36
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Hispanic or Latino	433	459	477	626	637	701	771	827	921	717
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	42	51	43	32	46	53	44	61	34	33
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Asian	33	27	36	45	51	50	71	56	67	50
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Black or African American	265	257	269	282	266	293	302	396	331	199
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	21	19	21	23	15	16	29	26	24	18
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	White	2,709	2,844	2,531	2,674	2,913	3,355	3,104	3,475	3,134	2,623
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	More than one race	31	35	45	77	75	74	95	83	126	86
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	124	192	157	163	196	154	199	218	209	172
Science and engineering	Agricultural sciences and natural resources	Male	Temporary resident	NA	47	16	13	42	15	9	36	38	30	35
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	8	109	121	95	170	101	98	296	278	550
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	5	6	7	8	6	2	8	9	25
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Asian	9	33	44	41	57	52	61	83	108	260
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Black or African American	11	151	80	68	107	69	49	119	131	182
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	2	4	2	3	2	0	6	2	1
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	White	71	282	352	297	366	308	256	508	516	821
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	More than one race	6	12	10	17	37	24	26	50	62	83
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	14	20	20	13	24	17	20	64	15	60
Science and engineering	Biological and biomedical sciences	Female	Temporary resident	NA	1	13	16	22	39	22	12	28	22	45
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	5	36	40	40	58	47	39	80	91	126
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	2	3	1	0	3	2	5	8	11
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Asian	9	12	28	14	26	24	28	42	40	84
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Black or African American	7	24	26	18	32	19	17	23	27	29
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	2	3	0	1	1	0	2
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	White	47	132	134	105	159	166	161	242	200	249
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	More than one race	3	4	11	9	11	11	8	24	12	45
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	14	5	13	11	10	11	6	10	17	17
Science and engineering	Biological and biomedical sciences	Male	Temporary resident	NA	1	3	11	13	14	7	12	8	16	12

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	774	954	1,104	1,264	1,393	1,373	1,433	1,470	1,670	1,833
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	71	69	81	81	71	102	82	91	52	87
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Asian	285	329	365	417	502	532	542	737	767	924
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Black or African American	923	971	1,346	1,237	1,188	1,218	1,265	1,584	1,788	2,183
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	20	27	21	21	16	13	20	33	18	38
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	White	2,912	3,139	3,451	3,659	3,534	3,757	3,886	4,253	4,320	4,807
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	More than one race	71	118	174	165	222	266	287	345	368	446
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	407	399	450	309	421	386	407	382	401	427
Science and engineering	Computer and information sciences	Female	Temporary resident	NA	69	86	207	159	187	278	252	348	313	345
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	2,660	3,038	3,394	3,771	3,768	3,984	4,597	4,932	5,233	5,711
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	200	157	225	205	236	213	224	294	295	280
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Asian	745	903	1,195	1,268	1,374	1,610	1,831	2,060	2,222	2,279
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Black or African American	2,371	2,616	3,191	3,199	3,047	3,244	3,676	3,869	4,588	5,337
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	43	54	81	79	72	93	103	123	79	120
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	White	9,945	10,904	13,078	13,448	14,236	15,361	17,378	17,664	18,428	19,124
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	More than one race	218	325	449	472	750	759	828	1,074	1,266	1,274
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,092	1,029	1,273	992	1,483	1,298	1,404	1,355	1,278	1,340
Science and engineering	Computer and information sciences	Male	Temporary resident	NA	146	178	291	327	413	461	558	544	550	583
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	18	14	13	16	14	8	24	53	73	74
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	3	2	3	2	5	2	10	6	16
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Asian	6	5	20	10	10	8	18	23	37	41
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Black or African American	11	6	7	9	11	10	16	11	20	20
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	0	0	0	1	0	0	1	1
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	White	83	81	96	106	99	116	204	214	205	259
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	More than one race	4	3	2	2	6	5	15	15	18	39
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	4	3	4	6	10	5	2	14	8	10
Science and engineering	Engineering	Female	Temporary resident	NA	4	4	13	3	7	11	9	15	12	22
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	62	96	94	142	153	176	194	265	224	237
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	17	10	5	7	9	8	12	14	32
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Asian	34	39	41	46	52	50	88	88	75	95
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Black or African American	25	29	47	55	48	70	39	66	67	106
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	3	2	1	2	0	2	1	1
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	White	344	389	464	583	628	668	739	836	845	863
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	More than one race	8	7	17	17	20	19	30	49	45	71
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	28	33	79	40	30	24	25	42	30	38
Science and engineering	Engineering	Male	Temporary resident	NA	15	10	13	25	18	19	24	35	37	43

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	0	2	0	3	4	4	2	5	3	6
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	0	0	0	0	0	0	0
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Asian	0	0	1	1	1	0	1	0	0	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Black or African American	0	0	0	0	1	0	0	0	2	2
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	0	0	2	0	0	0
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	White	8	14	13	8	17	12	21	22	40	38
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	More than one race	1	1	1	0	2	0	0	0	0	3
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1	2	1	1	1	0	1	4	4	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	Temporary resident	NA	0	2	0	0	3	0	0	1	0	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	1	2	2	0	2	1	3	1	4	7
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	1	0	0	0	2	2
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Asian	0	0	0	1	1	0	0	0	2	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Black or African American	0	1	0	0	1	0	1	2	0	5
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	6	1	0	2
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	White	9	22	18	25	28	9	34	31	40	59
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	More than one race	0	0	1	1	1	0	0	0	1	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	6	5	7	2	1	1	4	4	10	3
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	Temporary resident	NA	0	0	3	0	1	1	2	6	3	4
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Hispanic or Latino	0	7	9	4	4	5	7	8	8	18
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	1	4	0
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Asian	4	2	18	12	16	17	18	22	31	46
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Black or African American	0	0	2	0	0	2	1	1	6	6
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	1	0
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	White	5	6	8	17	16	22	49	43	47	103
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	More than one race	0	0	1	0	1	0	3	1	4	3
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	0	1	0	1	1	3	5	1	2	2
Science and engineering	Mathematics and statistics	Female	Temporary resident	NA	2	1	8	8	13	15	28	19	27	33
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Hispanic or Latino	3	7	15	11	10	21	14	25	29	40
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	1	2	1	0	2	1
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Asian	10	4	38	50	49	51	79	45	118	64
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Black or African American	8	20	19	11	16	18	4	2	4	10
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	0	0	0	1	0
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	White	19	24	50	43	56	56	127	136	121	141
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	More than one race	0	2	2	2	3	12	8	12	9	11
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1	1	0	1	9	1	7	1	3	10
Science and engineering	Mathematics and statistics	Male	Temporary resident	NA	4	5	14	7	27	36	41	47	40	37

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	98	96	134	210	212	182	249	222	295	455
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	8	7	19	16	10	12	15	11	10	18
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Asian	29	37	47	94	98	59	89	104	111	341
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Black or African American	28	34	55	71	76	72	74	97	101	139
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	1	3	3	7	2	5	5	2
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	White	279	308	338	377	431	404	479	574	607	902
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	More than one race	16	12	20	30	34	38	42	46	71	73
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	32	28	24	36	44	34	45	28	34	51
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	Temporary resident	NA	13	8	19	15	15	17	27	24	37	43
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	119	104	161	225	178	222	233	265	265	297
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	6	10	7	14	9	16	11	17	12	8
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Asian	36	25	42	68	50	61	84	86	87	189
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Black or African American	26	34	42	49	44	45	45	61	81	89
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	2	2	3	0	2	1	2	2
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	White	316	374	410	417	448	427	524	513	612	629
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	More than one race	7	12	17	25	23	31	37	31	39	60
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	24	31	39	40	44	54	54	35	43	42
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	Temporary resident	NA	8	18	11	20	21	22	33	29	35	36
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	1	5	4	5	6	7	6	10	28	11
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	1	1	0
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Asian	8	5	27	25	26	44	63	32	57	19
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Black or African American	1	1	0	3	2	1	4	1	0	8
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	1	0	0	0	0
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	White	5	6	15	8	9	13	19	24	45	25
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	More than one race	0	0	3	5	1	6	5	2	10	5
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	0	0	5	0	1	6	1	1	4	1
Science and engineering	Physical sciences	Female	Temporary resident	NA	0	2	15	5	10	8	4	5	14	7
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	2	5	10	16	16	15	16	7	21	12
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	2	0	0	0	0	0	0	0
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Asian	5	5	54	28	47	47	52	36	73	12
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Black or African American	3	0	6	1	2	1	5	0	5	1
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	0	0	0	1	0
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	White	12	6	28	20	27	25	51	51	52	31
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	More than one race	1	0	4	5	1	5	7	1	5	3
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	2	1	1	1	5	2	1	1	1	2
Science and engineering	Physical sciences	Male	Temporary resident	NA	3	2	5	10	14	17	13	5	17	5

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Hispanic or Latino	191	191	230	292	368	448	483	451	414	450
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	33	20	21	30	32	32	36	29	30	37
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Asian	23	29	53	44	30	34	62	52	64	64
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Black or African American	369	291	380	393	396	421	474	407	377	469
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	1	4	2	4	1	4	8	5	3
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	White	651	775	850	885	828	865	1,070	870	953	1,167
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	More than one race	13	13	21	32	25	35	52	40	49	63
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	46	34	59	46	49	44	60	44	53	58
Science and engineering	Psychology	Female	Temporary resident	NA	10	12	21	18	15	32	31	31	27	39
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Hispanic or Latino	4	12	15	53	14	18	24	22	20	29
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	1	1	1	0	0	3
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Asian	4	2	5	6	3	3	3	1	5	12
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Black or African American	12	13	27	10	13	17	13	11	14	18
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	1	0	0	0	0	1	0
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	White	29	25	52	42	32	33	65	46	70	86
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	More than one race	0	2	2	0	2	8	0	0	4	4
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	3	7	0	5	1	5	6	4	1	4
Science and engineering	Psychology	Male	Temporary resident	NA	0	0	2	3	0	4	3	1	1	6
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	628	538	583	535	666	599	860	980	954	1,034
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	26	40	36	53	26	54	37	48	42	50
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Asian	61	65	81	75	103	102	143	197	198	233
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Black or African American	913	918	1,065	1,154	1,148	1,214	1,250	1,222	1,186	1,094
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	14	15	15	5	15	24	29	16	11	10
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	White	1,808	1,732	1,991	2,044	2,163	2,158	2,695	3,538	3,602	3,667
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	More than one race	52	51	58	72	100	140	169	209	222	247
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	154	151	148	107	109	118	110	119	121	122
Science and engineering	Social sciences	Female	Temporary resident	NA	12	38	28	48	36	61	69	94	88	97
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	403	402	484	415	467	399	566	555	453	514
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	25	17	31	28	24	29	16	17	34	29
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Asian	57	66	75	60	68	77	82	102	95	105
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Black or African American	371	364	444	485	460	485	487	465	397	362
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	17	4	10	7	16	45	17	6	6	3
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	White	1,399	1,395	1,653	1,641	1,780	1,764	1,993	2,324	2,059	2,187
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	More than one race	23	27	44	62	72	56	75	102	97	98
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	106	117	121	79	73	91	110	94	82	103
Science and engineering	Social sciences	Male	Temporary resident	NA	11	16	16	34	68	44	46	59	55	71

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Hispanic or Latino	7,219	8,598	8,384	9,878	9,983	9,994	11,151	13,047	13,803	14,471
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	613	763	639	594	620	598	627	581	517	563
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Asian	2,093	2,340	2,356	2,681	2,593	2,668	2,831	3,085	3,081	3,136
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Black or African American	8,452	8,295	8,946	10,148	9,825	9,639	10,347	10,480	10,462	11,370
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	212	212	242	151	147	162	168	187	166	218
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	White	25,764	25,768	26,253	27,649	26,538	27,066	28,111	29,709	29,090	31,271
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	More than one race	582	805	881	974	1,205	1,237	1,406	1,708	1,891	1,962
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,996	2,129	2,050	2,020	2,022	2,090	2,199	2,342	2,417	2,583
Non-science and engineering	Business	Female	Temporary resident	NA	814	1,031	1,265	1,379	1,328	1,164	1,481	1,769	1,802	1,685
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Hispanic or Latino	3,192	3,678	4,075	5,024	5,436	5,352	6,466	8,222	8,854	8,431
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	200	229	272	244	244	212	272	301	217	235
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Asian	984	1,168	1,226	1,453	1,306	1,380	1,780	1,877	1,912	1,689
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Black or African American	3,491	3,489	4,184	4,643	4,799	4,543	5,035	5,646	5,669	6,271
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	90	87	77	62	95	96	111	124	89	103
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	White	9,962	10,922	11,841	13,125	13,382	13,912	16,017	16,862	17,153	18,741
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	More than one race	199	309	405	508	619	659	828	878	1,022	1,147
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,190	1,104	1,134	1,251	1,260	1,350	1,718	2,092	2,020	1,872
Non-science and engineering	Business	Male	Temporary resident	NA	551	714	784	924	824	844	972	1,220	1,286	1,175
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,866	1,782	1,766	1,917	1,994	2,361	2,421	2,490	2,671	2,658
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	78	112	125	173	131	161	153	175	187	191
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Asian	165	180	202	221	254	341	361	437	415	462
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Black or African American	1,411	1,282	1,513	1,634	1,526	1,747	1,911	1,688	1,764	1,903
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	47	26	31	34	46	54	63	63	68	66
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	White	3,228	3,509	4,020	4,632	4,655	5,071	5,586	5,935	5,703	7,085
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	More than one race	59	100	124	172	194	242	330	345	364	410
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	323	279	503	495	473	520	525	536	599	653
Non-science and engineering	Education	Female	Temporary resident	NA	66	78	92	129	101	163	166	191	211	198
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Hispanic or Latino	418	297	257	210	227	269	248	315	332	234
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	6	11	7	24	13	16	20	26	17
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Asian	26	21	30	26	37	36	53	55	40	48
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Black or African American	141	118	113	105	102	118	141	125	98	125
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	24	15	13	17	20	18	17	24	23	27
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	White	472	489	623	558	575	641	766	718	704	791
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	More than one race	10	12	29	26	33	24	36	38	42	46
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	79	56	114	76	88	70	83	89	66	68
Non-science and engineering	Education	Male	Temporary resident	NA	19	11	15	24	16	29	22	31	40	48

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,007	1,287	1,132	1,252	1,271	1,224	1,396	1,772	1,834	2,220
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	29	31	41	45	61	49	49	80	65	59
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Asian	450	481	421	429	459	487	456	566	672	780
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Black or African American	739	837	889	878	1,129	1,198	1,099	1,677	1,753	2,233
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	131	75	43	33	16	22	20	28	16	28
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	White	3,747	4,239	4,970	5,361	6,155	6,985	7,044	8,209	8,747	9,179
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	More than one race	64	139	216	280	295	326	410	447	467	600
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	197	218	260	287	264	292	267	383	264	380
Non-science and engineering	Humanities	Female	Temporary resident	NA	231	186	192	139	188	124	198	241	244	217
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Hispanic or Latino	467	635	496	558	612	597	595	828	798	880
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	17	33	22	29	39	30	27	26	34	36
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Asian	315	342	261	267	329	337	313	442	457	518
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Black or African American	405	368	412	487	592	592	568	730	716	826
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	107	67	29	18	29	16	14	17	17	15
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	White	2,192	2,475	2,875	2,934	3,518	4,050	4,075	4,500	4,494	4,624
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	More than one race	44	105	127	163	162	220	222	219	271	261
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	117	129	227	237	216	212	190	258	171	250
Non-science and engineering	Humanities	Male	Temporary resident	NA	128	118	127	102	128	84	131	193	182	123
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,318	1,419	1,622	1,805	836	1,228	2,315	2,312	2,478	2,421
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	121	140	156	137	38	83	174	141	152	125
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Asian	413	406	405	486	331	395	498	502	484	449
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Black or African American	583	550	690	726	539	666	819	834	857	787
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	22	17	21	15	7	15	22	19	14	12
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	White	4,629	4,502	4,547	5,127	3,213	3,758	4,972	4,891	4,861	4,430
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	More than one race	130	157	178	241	157	219	310	364	392	369
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	980	665	678	661	523	512	527	457	454	323
Non-science and engineering	Visual and performing arts	Female	Temporary resident	NA	1,037	180	168	211	202	398	374	398	364	267
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Hispanic or Latino	1,021	1,085	1,166	1,280	855	1,173	1,645	1,533	1,646	1,428
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	59	78	60	78	36	57	86	78	90	55
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Asian	242	289	229	277	191	254	299	336	277	210
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Black or African American	539	616	644	800	562	782	894	860	941	839
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	15	11	11	11	6	11	14	14	19	7
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	White	3,103	3,205	3,050	3,439	2,338	2,904	3,676	3,710	3,547	3,104
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	More than one race	99	127	128	148	111	169	246	260	271	223
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	857	567	578	503	364	434	354	392	318	215
Non-science and engineering	Visual and performing arts	Male	Temporary resident	NA	703	158	109	129	109	320	267	282	253	150

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)														
Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	37,087	40,495	40,669	39,701	41,285	45,785	48,628	52,378	56,115	61,498
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1,099	1,290	1,295	1,401	1,294	1,456	1,387	1,258	1,449	1,470
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Asian	7,506	7,915	7,989	8,781	9,043	9,483	9,868	11,973	11,151	11,170
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Black or African American	28,282	27,481	26,715	28,093	25,584	25,297	24,582	27,224	26,837	30,580
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	480	472	388	394	461	473	500	505	561	602
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	White	76,856	76,019	76,085	73,498	71,103	71,033	69,879	74,502	74,722	79,950
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	More than one race	2,048	2,760	3,045	3,615	3,812	4,121	4,690	5,786	6,207	7,043
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	7,390	8,720	8,688	5,507	5,080	4,664	4,671	4,890	5,463	5,760
Non-science and engineering	Other non-science and engineering	Female	Temporary resident	NA	1,306	1,319	1,557	1,559	1,798	1,895	2,169	2,273	2,260	2,181
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	13,209	15,220	15,531	15,970	17,724	19,846	20,213	22,084	23,704	22,419
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	424	484	460	477	493	601	544	511	570	505
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Asian	2,555	3,209	3,099	3,546	3,812	4,022	4,334	5,267	5,412	4,858
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Black or African American	9,087	9,701	9,860	9,987	9,158	9,271	8,709	9,583	8,632	8,143
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	195	225	205	203	206	226	224	271	243	214
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	White	26,349	27,302	27,471	26,746	27,391	28,889	27,247	30,325	31,489	28,744
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	More than one race	718	1,026	1,140	1,335	1,605	1,815	1,975	2,561	2,654	2,535
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	3,097	4,136	3,667	2,664	2,806	2,411	2,286	2,470	2,629	2,160
Non-science and engineering	Other non-science and engineering	Male	Temporary resident	NA	700	773	845	908	1,103	1,147	1,410	1,475	1,481	1,314
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Hispanic or Latino	73,587	66,685	64,356	61,532	59,162	57,743	52,292	52,015	48,763	50,954
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3,198	2,983	2,743	2,804	2,822	2,510	2,658	2,736	2,212	2,378
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Asian	10,524	9,935	9,704	8,972	8,702	8,771	8,363	8,344	7,367	7,796
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Black or African American	71,067	63,386	59,081	56,098	50,891	48,597	42,556	43,677	40,030	42,675
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1,547	1,434	1,180	1,057	936	939	823	818	673	757
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	White	159,976	148,297	137,797	130,906	121,643	115,084	109,554	108,034	97,643	99,517
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	More than one race	5,036	5,660	5,933	5,797	5,990	6,134	6,037	6,850	6,405	6,915
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	19,233	16,308	16,975	12,773	9,954	9,490	7,805	9,742	9,608	13,193
Science and engineering-related	Health professions and related programs	Female	Temporary resident	NA	819	803	815	886	873	955	978	1,072	1,028	1,105
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Hispanic or Latino	16,249	14,320	14,071	13,037	12,802	12,462	11,313	10,719	9,344	9,618
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	533	466	427	475	394	412	431	406	373	328
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Asian	3,330	3,397	3,029	2,853	2,570	2,607	2,393	2,236	2,157	2,005
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Black or African American	10,471	9,359	8,961	7,820	6,712	6,310	5,612	5,429	4,759	4,731
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	402	382	330	317	249	248	216	220	202	155
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	White	31,991	30,317	28,793	26,730	24,858	24,174	24,288	23,479	20,309	20,172
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	More than one race	1,052	1,168	1,393	1,256	1,229	1,360	1,399	1,463	1,327	1,315
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	4,046	3,530	3,349	3,082	2,383	1,976	1,969	1,992	2,094	2,490
Science and engineering-related	Health professions and related programs	Male	Temporary resident	NA	293	275	302	262	257	250	228	291	240	229

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Hispanic or Latino	272	183	184	198	213	252	353	329	277	386
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	19	5	16	8	3	24	11	9	6
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Asian	12	9	20	9	22	25	31	30	21	42
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Black or African American	133	128	111	128	114	89	104	127	95	154
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	0	4	0	6	9	6	2	8
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	White	536	493	570	753	728	734	996	838	750	950
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	More than one race	17	24	20	23	27	42	55	49	31	52
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	37	37	35	51	47	55	59	56	53	59
Science and engineering-related	Homeland security and fire protection	Female	Temporary resident	NA	4	0	1	2	6	9	8	6	4	3
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Hispanic or Latino	1,438	1,333	1,165	1,390	1,389	1,492	2,968	1,682	1,682	1,778
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	71	37	56	53	64	43	94	48	45	37
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Asian	139	116	127	113	138	130	454	138	142	158
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Black or African American	421	349	347	475	361	416	508	377	339	431
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	17	11	19	27	20	50	97	20	11	30
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	White	5,513	5,402	5,184	6,011	5,445	5,085	8,026	4,921	4,665	4,872
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	More than one race	113	133	139	183	185	168	361	267	274	290
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	284	201	212	293	280	220	486	203	194	232
Science and engineering-related	Homeland security and fire protection	Male	Temporary resident	NA	34	16	12	14	32	62	38	26	25	23
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Hispanic or Latino	0	2	1	2	2	1	6	5	5	4
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	1	0	0	1	1
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Asian	0	2	0	1	4	0	3	4	1	5
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Black or African American	0	1	1	0	1	0	0	0	1	1
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	White	19	28	37	22	30	13	52	78	50	57
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	More than one race	0	0	0	0	0	0	1	0	2	3
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	2	3	2	0	0	0	1	0	1	0
Science and engineering-related	Science and mathematics education	Female	Temporary resident	NA	0	0	0	0	0	0	0	1	0	0
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Hispanic or Latino	0	0	0	1	0	1	0	1	3	0
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Asian	1	0	0	0	0	0	1	0	1	0
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Black or African American	0	0	1	0	0	1	1	0	1	2
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	White	11	5	14	3	3	4	9	9	13	6
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	More than one race	0	0	0	0	1	1	0	0	1	2
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	0	0	1	0	0	0	1	0	0	0
Science and engineering-related	Science and mathematics education	Male	Temporary resident	NA	0	0	0	1	0	0	0	0	0	0
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,191	1,056	985	906	869	975	1,043	1,171	1,101	994
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	91	87	83	101	74	101	71	88	71	60
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Asian	209	234	266	331	351	259	302	329	273	259

Table SHED-10
Certificates awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Black or African American	983	848	1,025	1,043	1,156	1,097	1,054	988	769	737
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	15	15	15	17	21	16	14	21	23	9
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	White	2,691	2,750	2,945	3,111	3,385	3,290	3,094	3,234	2,714	2,706
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	More than one race	76	81	138	127	180	192	184	225	178	205
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	268	251	214	241	227	257	256	227	251	199
Science and engineering-related	Technology and technical fields	Female	Temporary resident	NA	42	66	81	99	125	73	74	130	129	99
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Hispanic or Latino	7,226	6,608	6,945	6,743	6,414	6,755	7,136	7,391	6,764	6,632
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	350	283	276	339	300	394	335	332	282	259
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Asian	851	793	893	1,034	1,011	1,015	1,190	1,212	1,028	987
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Black or African American	4,419	3,347	4,127	3,990	3,937	3,697	3,714	3,610	3,358	2,978
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	115	107	107	99	86	102	109	92	76	81
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	White	15,663	14,879	16,465	16,038	17,381	16,704	17,927	18,729	17,067	17,480
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	More than one race	317	433	530	527	682	663	788	840	746	784
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,254	1,238	1,179	980	1,321	1,175	1,147	1,186	1,180	1,136
Science and engineering-related	Technology and technical fields	Male	Temporary resident	NA	159	206	198	241	277	390	345	367	260	313
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,265	1,298	1,239	1,437	1,589	1,690	1,912	2,250	2,439	2,297
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	194	220	248	293	316	322	286	277	279	228
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Asian	246	314	283	378	329	266	296	378	321	279
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Black or African American	1,847	1,812	2,126	2,164	2,383	2,412	2,367	2,576	2,580	2,605
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	21	36	33	47	52	42	42	63	42	54
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	White	4,396	4,600	5,012	5,563	5,680	6,225	5,920	7,066	6,644	6,596
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	More than one race	154	185	242	249	291	355	362	445	475	459
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	347	408	380	503	548	412	584	705	689	670
Science and engineering-related	Other science and engineering-related fields	Female	Temporary resident	NA	120	118	97	80	84	67	92	79	89	88
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Hispanic or Latino	23,560	25,058	25,595	26,601	29,097	29,933	31,988	33,680	34,104	32,800
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2,114	2,160	2,458	2,473	2,331	2,573	2,533	2,219	1,872	1,796
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Asian	3,677	3,870	3,856	4,060	3,794	3,484	3,937	3,848	3,438	3,149
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Black or African American	27,080	24,910	27,503	26,901	25,643	25,383	23,740	24,075	21,224	19,981
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	384	420	492	528	476	431	415	487	435	430
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	White	80,126	80,764	86,741	87,170	87,461	87,927	87,364	88,879	82,598	79,542
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	More than one race	1,376	1,861	2,282	2,871	2,824	3,123	3,403	3,729	3,718	3,798
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	5,488	5,900	5,435	6,156	6,398	5,916	6,543	6,971	6,678	7,180
Science and engineering-related	Other science and engineering-related fields	Male	Temporary resident	NA	481	465	466	608	814	922	935	1,032	1,058	939

NA = not available.

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs. Certificates include only awards of less than 2 academic years below the associate's degree level. Racial or ethnic breakouts include U.S. citizens and permanent residents only; temporary visa holder includes all racial or ethnic groups. Hispanic may be any race, and race categories exclude Hispanic origin.

Source(s):
National Center for Science and Engineering Statistics, special tabulations (2022) of the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey, provisional release data.

Science and Engineering Indicators

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Hispanic or Latino	445	564	624	841	963	980	1,088	1,234	1,259	1,325
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	77	81	89	99	84	71	82	86	70	76
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Asian	79	81	92	117	90	110	107	112	119	132
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Black or African American	145	126	115	138	149	176	143	135	151	161
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	17	29	14	21	29	23	35	30	24	22
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	White	6,174	6,371	6,230	6,529	6,291	6,304	5,908	5,807	5,582	5,357
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	More than one race	76	123	128	173	201	205	211	279	259	258
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	412	348	351	328	245	195	205	263	206	171
Science and engineering	Agricultural sciences and natural resources	Female	Temporary resident	NA	15	29	25	39	23	39	26	30	35	34
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Hispanic or Latino	207	241	283	374	405	411	450	528	629	541
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	65	60	67	68	61	60	55	52	52	51
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Asian	30	39	45	45	30	34	49	59	48	43
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Black or African American	65	77	80	94	100	88	94	93	84	92
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	24	14	19	22	19	31	39	22	20	19
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	White	4,286	4,007	4,008	4,339	4,336	4,485	4,234	4,131	3,875	3,263
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	More than one race	40	39	62	74	100	81	74	102	98	109
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	322	260	249	242	227	210	197	207	171	141
Science and engineering	Agricultural sciences and natural resources	Male	Temporary resident	NA	19	12	20	89	32	24	24	18	29	26
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	651	735	875	997	1,092	1,277	1,551	1,809	1,867	2,249
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	46	53	51	47	39	49	49	56	40	70
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Asian	308	325	345	358	381	432	518	627	744	971
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Black or African American	210	245	246	273	299	292	308	395	416	568
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	12	10	20	10	9	18	9	11	22
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	White	1,128	1,224	1,284	1,345	1,376	1,478	1,525	1,718	1,637	2,056
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	More than one race	34	61	59	85	102	135	147	192	205	340
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	137	121	126	91	104	88	98	107	99	114
Science and engineering	Biological and biomedical sciences	Female	Temporary resident	NA	57	74	67	61	77	93	115	196	220	218
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	289	326	372	456	514	541	633	721	720	750
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	20	25	17	16	16	16	29	19	19	17
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Asian	162	171	177	180	205	221	274	291	326	393
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Black or African American	97	97	109	134	128	160	159	130	140	168
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	8	9	6	3	3	13	3	5	8
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	White	589	570	648	711	803	669	807	832	826	1,009
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	More than one race	19	28	33	43	48	53	71	92	94	115
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	77	80	86	64	57	47	48	53	44	50
Science and engineering	Biological and biomedical sciences	Male	Temporary resident	NA	36	36	42	30	37	46	53	71	74	60

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	773	831	847	854	702	817	811	913	942	1,162
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	92	110	93	88	85	64	81	68	63	59
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Asian	320	339	347	379	435	469	532	564	661	836
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Black or African American	1,439	1,481	1,405	1,441	1,012	986	915	971	1,077	1,164
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	58	52	28	41	30	21	33	28	30	33
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	White	4,485	4,284	3,873	3,747	3,170	3,061	2,861	2,875	2,785	2,983
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	More than one race	111	133	175	200	188	213	216	215	269	290
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,088	620	491	396	334	275	255	248	284	313
Science and engineering	Computer and information sciences	Female	Temporary resident	NA	116	124	142	169	182	194	271	335	351	407
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	3,207	3,515	3,631	3,643	2,949	3,336	3,503	3,684	3,915	4,155
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	230	241	252	202	180	183	176	167	154	170
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Asian	1,221	1,381	1,401	1,466	1,476	1,639	1,829	1,943	2,050	2,454
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Black or African American	3,686	3,990	4,069	4,028	2,685	2,637	2,667	2,699	2,691	2,931
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	131	135	144	110	76	106	83	101	86	83
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	White	17,798	17,861	16,994	16,199	13,663	13,940	13,797	13,639	12,940	13,552
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	More than one race	298	484	541	584	665	657	688	771	876	955
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	4,571	1,982	1,869	1,495	1,201	1,072	1,023	1,023	1,016	1,018
Science and engineering	Computer and information sciences	Male	Temporary resident	NA	365	374	391	363	480	572	786	836	868	785
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	87	110	105	127	158	205	255	228	270	298
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	9	11	8	8	5	7	5	11	15	14
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Asian	52	57	62	83	87	108	118	121	134	159
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Black or African American	32	32	38	34	61	42	76	94	79	84
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	6	3	2	2	4	1	3	0	6	13
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	White	212	261	270	330	356	425	446	416	479	472
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	More than one race	2	5	19	16	24	21	36	36	51	54
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	27	23	37	31	23	29	37	44	40	40
Science and engineering	Engineering	Female	Temporary resident	NA	39	27	33	46	65	86	105	101	98	91
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	354	461	596	676	808	955	1,003	1,054	985	1,068
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	16	31	27	27	23	39	29	29	39	26
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Asian	216	235	294	322	359	451	492	464	474	468
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Black or African American	196	211	266	286	345	348	380	359	357	386
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	17	17	19	14	13	10	17	13	16	14
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	White	1,801	1,957	2,180	2,471	2,490	2,640	2,762	2,767	2,877	2,545
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	More than one race	24	55	73	83	120	128	148	178	167	156
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	161	165	141	179	204	192	211	171	165	170
Science and engineering	Engineering	Male	Temporary resident	NA	199	150	164	183	173	267	324	315	282	272

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	5	6	5	9	12	12	14	19	8	24
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	1	0	3	1	2	2	1	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Asian	2	1	0	2	2	4	7	1	0	4
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Black or African American	0	0	2	2	6	4	18	20	18	12
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	3	3	2	10	5	3	8	5	6
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	White	33	39	43	54	55	30	39	37	56	56
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	More than one race	0	1	1	2	2	2	1	9	3	4
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	3	1	1	2	2	4	4	1	2	2
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	Temporary resident	NA	0	2	0	0	0	4	1	1	0	4
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	7	8	9	9	16	23	16	20	18	18
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	4	6	3	3	0	8	3	2
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Asian	4	0	1	4	2	0	6	2	4	2
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Black or African American	0	1	4	6	7	6	5	7	1	10
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	8	7	7	6	8	7	18	6	10
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	White	60	68	79	78	71	73	51	67	65	50
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	More than one race	1	1	1	1	0	1	3	5	3	2
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	2	2	3	3	2	4	2	0	3	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	Temporary resident	NA	2	1	1	1	0	3	1	0	2	0
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Hispanic or Latino	127	151	191	207	261	349	404	415	471	517
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	5	9	3	4	5	7	8	4	8
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Asian	67	94	104	134	170	216	276	321	306	405
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Black or African American	12	27	13	27	34	33	24	41	37	42
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	0	0	2	2	6	1	4	4	5
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	White	214	231	241	316	292	338	357	416	395	413
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	More than one race	4	14	22	29	29	34	59	64	70	79
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	14	15	25	30	23	17	22	29	22	30
Science and engineering	Mathematics and statistics	Female	Temporary resident	NA	32	22	43	34	54	86	105	134	134	116
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Hispanic or Latino	271	321	486	574	747	782	1,014	1,104	1,219	1,171
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	17	9	13	12	10	10	16	10	15	7
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Asian	130	184	206	294	305	389	492	586	628	676
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Black or African American	49	43	47	62	67	73	92	77	70	89
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	3	3	4	5	8	9	6	3	5
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	White	451	540	602	790	786	863	919	1,054	1,052	931
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	More than one race	16	35	30	65	80	85	104	135	141	143
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	61	61	53	53	59	35	79	58	72	56
Science and engineering	Mathematics and statistics	Male	Temporary resident	NA	54	47	52	61	101	125	155	169	198	149

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	2,256	2,763	3,365	3,891	4,529	5,049	5,693	6,346	6,462	7,181
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	95	94	77	75	72	54	63	46	58	54
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Asian	1,250	1,342	1,483	1,701	1,754	1,911	2,122	2,406	2,285	2,644
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Black or African American	1,096	1,000	1,047	1,086	1,150	1,154	1,029	951	926	878
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	85	54	62	62	83	61	64	64	58	70
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	White	6,656	6,562	6,604	6,481	6,320	6,016	5,419	5,415	5,107	5,316
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	More than one race	207	297	414	499	562	557	620	633	697	681
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,555	1,043	876	701	623	392	414	343	303	330
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	Temporary resident	NA	243	236	268	282	258	291	312	383	355	316
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	1,230	1,628	2,013	2,271	2,702	2,907	3,263	3,602	3,670	3,349
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	45	34	45	35	39	45	37	41	28	16
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Asian	813	973	1,075	1,204	1,322	1,379	1,487	1,778	1,767	1,758
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Black or African American	405	406	438	568	537	558	499	510	473	401
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	41	42	40	26	54	32	47	42	32	33
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	White	3,875	4,035	4,342	4,441	4,359	4,307	4,048	3,911	3,763	3,263
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	More than one race	116	189	222	333	373	371	406	480	461	416
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	598	461	371	338	313	254	252	246	210	212
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	Temporary resident	NA	169	164	157	219	274	270	281	327	312	266
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	274	286	361	416	509	556	733	711	787	791
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	20	22	25	31	23	20	24	28	32	25
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Asian	209	230	252	306	324	350	402	504	455	540
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Black or African American	263	284	265	244	276	334	355	402	314	346
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	6	9	9	12	10	7	6	6	7
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	White	590	682	712	778	773	847	851	914	908	834
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	More than one race	31	38	45	68	84	84	99	134	130	139
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	60	66	62	77	93	81	92	69	72	71
Science and engineering	Physical sciences	Female	Temporary resident	NA	107	107	108	126	131	139	173	213	189	184
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	325	388	495	641	755	773	1,014	1,123	1,019	906
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	21	29	24	28	21	23	32	30	25	11
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Asian	254	277	325	393	386	402	515	557	577	567
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Black or African American	130	139	157	159	189	182	221	206	175	194
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	11	11	9	12	8	9	6	9	7
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	White	921	1,046	1,129	1,160	1,310	1,347	1,465	1,443	1,340	1,158
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	More than one race	36	74	90	104	116	121	148	155	171	173
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	141	166	141	120	152	121	137	141	138	90
Science and engineering	Physical sciences	Male	Temporary resident	NA	180	147	199	250	233	307	302	311	297	255

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,288	1,765	2,252	2,839	3,674	4,053	4,709	5,534	6,147	7,345
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	94	106	123	133	126	112	108	127	114	100
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Asian	188	273	329	406	505	593	634	731	915	1,057
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Black or African American	562	556	677	772	871	834	865	916	942	1,089
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	11	26	15	16	30	36	26	31	35	46
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	White	2,462	2,898	3,057	3,144	3,419	3,424	3,524	3,831	4,255	4,932
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	More than one race	77	151	206	268	295	342	376	487	570	660
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	248	268	214	230	252	208	276	224	302	393
Science and engineering	Psychology	Female	Temporary resident	NA	46	63	79	94	89	99	133	160	171	188
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Hispanic or Latino	320	464	643	816	1,105	1,176	1,344	1,534	1,727	1,840
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	16	18	13	21	30	32	22	27	26	29
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Asian	86	119	170	181	232	258	277	315	374	423
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Black or African American	94	134	135	155	202	202	201	217	278	272
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	9	6	9	5	11	13	2	8	8	16
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	White	534	657	752	767	856	823	866	1,076	1,074	1,190
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	More than one race	22	36	45	84	105	117	128	149	173	175
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	71	102	67	58	78	69	73	81	95	103
Science and engineering	Psychology	Male	Temporary resident	NA	5	15	12	31	22	32	47	49	48	62
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	4,019	4,423	4,958	5,387	6,236	6,960	7,616	8,541	9,379	10,101
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	276	252	277	258	239	213	236	216	204	277
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Asian	795	897	928	1,011	1,089	1,111	1,198	1,400	1,546	1,705
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Black or African American	2,619	2,407	2,474	2,554	2,422	2,208	2,214	2,233	2,165	2,252
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	130	120	98	119	103	112	109	123	93	99
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	White	6,832	6,855	6,816	6,736	6,368	6,191	6,167	6,373	6,612	7,082
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	More than one race	272	393	496	563	673	658	748	778	955	1,031
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,165	789	707	530	404	398	409	433	439	501
Science and engineering	Social sciences	Female	Temporary resident	NA	143	186	204	196	261	320	373	385	404	355
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	2,435	2,579	3,113	3,124	3,471	3,701	3,984	4,166	4,562	4,364
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	135	128	133	155	121	129	128	119	107	102
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Asian	540	660	608	646	731	800	788	962	1,074	1,122
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Black or African American	1,239	1,215	1,367	1,277	1,236	1,205	1,163	1,134	1,095	986
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	92	109	83	95	90	91	98	75	84	76
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	White	4,936	5,003	5,176	5,033	4,823	4,734	4,706	4,795	4,879	4,699
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	More than one race	168	229	305	326	366	386	457	529	543	555
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	852	612	562	389	301	303	310	300	286	337
Science and engineering	Social sciences	Male	Temporary resident	NA	100	125	115	160	232	204	308	303	328	254

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Hispanic or Latino	9,429	9,543	10,052	10,671	11,311	12,035	12,101	12,503	12,980	13,851
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	908	905	865	796	783	688	701	703	648	651
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Asian	3,632	3,665	3,787	4,131	4,259	4,349	4,570	4,634	4,492	4,942
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Black or African American	13,436	11,856	11,617	11,601	10,911	10,120	9,381	9,367	8,867	9,587
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	403	375	369	317	267	304	323	295	277	307
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	White	42,199	39,382	37,106	36,310	33,541	31,418	29,204	27,971	26,474	27,446
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	More than one race	1,038	1,240	1,388	1,495	1,795	1,618	1,820	1,789	1,935	2,065
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	6,298	4,625	4,331	3,554	2,972	2,676	2,554	2,604	2,743	2,792
Non-science and engineering	Business	Female	Temporary resident	NA	2,370	2,198	2,275	2,311	2,288	2,376	2,607	2,755	2,603	2,427
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Hispanic or Latino	5,485	5,560	6,307	7,180	7,694	8,501	8,952	9,495	9,585	9,767
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	396	372	366	375	345	347	350	336	310	315
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Asian	2,353	2,458	2,700	2,865	3,119	3,351	3,484	3,541	3,710	3,942
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Black or African American	5,880	5,547	5,765	6,039	5,634	5,584	4,970	4,841	4,632	4,690
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	220	208	207	192	152	156	164	170	152	185
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	White	23,192	22,533	21,647	21,938	20,860	20,814	20,351	20,130	18,972	19,553
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	More than one race	544	692	754	958	1,125	1,155	1,211	1,323	1,349	1,389
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	3,586	2,830	2,496	2,259	2,017	1,801	1,702	1,812	1,568	1,752
Non-science and engineering	Business	Male	Temporary resident	NA	1,509	1,504	1,563	1,543	1,688	1,774	2,041	2,050	1,960	1,662
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Hispanic or Latino	2,722	2,643	2,611	2,847	3,100	3,134	3,394	3,584	3,692	4,780
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	378	371	363	331	358	289	281	284	281	239
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Asian	307	248	238	268	276	320	335	342	335	455
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Black or African American	2,545	2,577	2,344	2,484	2,181	2,101	1,970	1,855	1,877	1,934
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	122	122	135	138	130	150	121	165	118	114
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	White	10,399	9,486	8,828	8,294	8,183	7,886	7,411	7,397	7,188	7,802
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	More than one race	170	198	226	289	304	335	335	382	387	483
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,195	814	619	583	510	475	464	443	426	447
Non-science and engineering	Education	Female	Temporary resident	NA	195	172	165	143	142	142	166	191	204	188
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Hispanic or Latino	340	271	302	316	360	365	410	379	404	448
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	68	69	79	56	57	59	42	36	37	43
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Asian	32	35	35	40	41	47	47	49	51	55
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Black or African American	309	309	318	306	272	255	251	224	221	209
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	50	46	51	51	52	39	48	40	31	41
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	White	1,627	1,313	1,187	1,063	1,081	1,000	947	890	911	867
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	More than one race	28	25	37	39	54	47	61	61	61	71
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	177	138	95	76	82	58	41	47	53	55
Non-science and engineering	Education	Male	Temporary resident	NA	26	22	25	30	24	26	22	30	25	19

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)														
Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Hispanic or Latino	3,509	4,336	5,088	5,859	6,785	7,587	9,114	10,116	10,307	10,387
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	237	219	213	265	245	209	228	212	220	240
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Asian	923	935	1,002	1,191	1,314	1,391	1,506	1,700	1,740	1,796
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Black or African American	2,523	2,575	2,778	3,167	3,108	3,288	3,267	3,349	3,311	3,362
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	121	107	98	108	100	78	80	60	81	85
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	White	11,695	12,547	12,406	13,523	13,602	13,450	13,339	13,967	13,169	13,060
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	More than one race	283	516	641	780	894	902	1,048	1,301	1,223	1,291
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,240	1,079	943	861	833	954	791	742	680	796
Non-science and engineering	Humanities	Female	Temporary resident	NA	395	388	431	433	544	474	605	584	570	509
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Hispanic or Latino	1,947	2,460	2,959	3,439	4,016	4,435	5,257	5,877	5,503	5,089
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	121	115	95	140	119	149	131	99	128	121
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Asian	615	723	722	880	1,002	1,059	1,122	1,272	1,269	1,220
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Black or African American	1,302	1,404	1,470	1,747	1,837	1,798	1,962	1,953	1,798	1,804
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	73	52	50	62	57	48	75	53	56	65
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	White	7,741	8,024	8,076	9,093	8,844	9,706	9,611	9,803	9,102	8,532
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	More than one race	162	276	334	467	499	509	692	796	759	694
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	780	741	670	656	611	629	589	613	543	636
Non-science and engineering	Humanities	Male	Temporary resident	NA	208	197	206	287	339	289	425	408	409	340
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,785	1,937	2,004	2,205	2,292	2,344	2,414	2,777	3,027	3,012
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	105	110	90	94	89	81	71	65	70	68
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Asian	701	635	668	693	657	678	734	794	841	847
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Black or African American	888	975	960	984	992	951	808	819	881	936
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	57	54	38	39	38	34	26	21	22	22
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	White	7,562	7,482	6,924	6,858	6,494	6,053	5,799	5,849	5,735	5,712
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	More than one race	219	300	313	383	404	414	439	463	551	565
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,116	878	818	720	557	421	413	426	473	532
Non-science and engineering	Visual and performing arts	Female	Temporary resident	NA	664	769	646	715	756	836	738	811	728	661
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Hispanic or Latino	1,444	1,550	1,703	1,805	1,802	1,767	1,922	2,160	2,204	2,102
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	89	77	106	74	69	64	45	53	56	45
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Asian	389	368	353	361	345	396	424	503	470	483
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Black or African American	914	1,022	1,009	972	934	907	848	907	867	738
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	37	33	37	32	27	25	18	22	22	17
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	White	4,934	4,985	4,628	4,106	3,877	3,718	3,551	3,477	3,394	3,044
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	More than one race	131	223	253	232	232	273	325	332	350	263
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,189	766	645	592	463	352	420	456	680	763
Non-science and engineering	Visual and performing arts	Male	Temporary resident	NA	343	297	302	323	329	349	349	387	302	243

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)														
Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	42,305	43,306	45,506	50,365	55,869	60,093	64,527	71,428	74,842	79,441
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2,334	2,384	2,352	2,314	2,250	2,269	2,368	2,262	2,145	2,072
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Asian	8,789	9,131	9,035	9,246	9,879	10,252	10,972	11,839	11,960	12,663
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Black or African American	36,895	36,006	36,321	37,625	38,583	37,278	36,551	36,907	35,356	36,137
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1,024	1,001	984	941	873	883	890	890	832	838
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	White	137,971	138,869	137,933	137,191	136,490	133,114	131,679	129,993	127,022	127,194
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	More than one race	3,877	5,005	5,970	6,766	7,764	8,119	9,076	10,024	10,491	11,034
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	15,335	13,136	11,304	11,483	10,247	8,953	8,688	8,591	8,641	8,748
Non-science and engineering	Other non-science and engineering	Female	Temporary resident	NA	4,211	4,137	4,321	4,513	4,887	5,304	5,742	6,031	5,711	5,354
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	24,459	25,761	26,566	29,030	32,275	33,265	35,455	38,805	39,169	38,071
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1,309	1,194	1,219	1,244	1,240	1,194	1,247	1,126	1,043	915
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Asian	6,522	6,724	6,783	6,821	7,417	7,509	7,812	8,613	8,519	8,264
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Black or African American	17,675	17,992	18,085	19,044	19,809	18,891	18,877	18,779	17,678	16,580
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	696	737	710	647	638	630	598	600	529	493
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	White	91,872	92,020	91,865	91,405	90,121	88,506	86,285	85,531	81,022	75,984
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	More than one race	2,296	3,036	3,903	4,127	4,756	4,907	5,515	5,766	6,014	5,940
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	10,937	9,440	8,962	8,609	7,661	6,483	6,105	6,335	5,538	5,623
Non-science and engineering	Other non-science and engineering	Male	Temporary resident	NA	3,075	3,142	3,175	3,484	3,799	4,141	4,442	4,638	4,336	4,059
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Hispanic or Latino	21,744	22,210	22,835	23,291	23,539	24,515	25,011	26,158	25,736	28,010
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1,546	1,643	1,539	1,445	1,388	1,437	1,329	1,410	1,259	1,247
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Asian	6,383	6,150	6,103	5,883	5,892	6,010	6,143	6,674	6,781	7,294
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Black or African American	25,310	24,006	22,687	22,768	22,588	22,839	21,944	21,370	20,232	22,756
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	495	507	544	510	499	468	491	508	468	527
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	White	112,668	110,150	105,859	101,373	95,723	91,375	86,931	84,987	81,666	84,910
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	More than one race	2,086	2,628	2,663	2,954	3,412	3,432	3,846	4,260	4,298	4,504
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	11,458	10,563	10,940	8,324	6,572	5,143	4,817	6,285	6,993	6,178
Science and engineering-related	Health professions and related programs	Female	Temporary resident	NA	1,234	1,148	986	930	853	911	967	1,051	1,161	1,321
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Hispanic or Latino	5,219	5,373	5,825	6,012	6,179	6,393	6,660	6,838	6,728	6,711
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	289	257	295	258	243	237	241	246	201	190
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Asian	2,235	2,260	2,318	2,286	2,297	2,382	2,400	2,629	2,546	2,576
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Black or African American	3,809	3,766	3,845	3,847	3,646	3,561	3,433	3,295	3,166	3,381
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	201	226	226	190	194	173	186	203	180	172
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	White	20,173	19,936	19,404	18,350	17,400	16,562	16,136	15,962	15,174	14,957
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	More than one race	467	524	573	670	763	837	841	985	1,014	985
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	2,063	1,900	2,034	1,602	1,402	1,193	1,244	1,315	1,204	1,250
Science and engineering-related	Health professions and related programs	Male	Temporary resident	NA	399	325	331	240	268	254	274	285	320	304

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Hispanic or Latino	53	82	71	77	105	87	103	142	123	153
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	4	6	2	4	4	4	5	4	6
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Asian	10	6	10	6	7	6	7	8	7	9
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Black or African American	40	56	63	53	42	47	37	32	31	39
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	1	5	1	1	0	1	3	3
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	White	302	351	358	338	326	316	357	310	346	349
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	More than one race	10	16	13	16	12	18	23	24	28	26
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	58	73	49	43	16	22	21	29	40	42
Science and engineering-related	Homeland security and fire protection	Female	Temporary resident	NA	1	3	2	1	4	1	3	2	2	2
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Hispanic or Latino	538	662	598	622	604	664	701	745	635	747
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	34	33	45	25	22	21	33	35	29	22
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Asian	104	115	101	99	77	85	86	102	88	102
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Black or African American	157	212	205	220	184	197	187	165	151	166
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	19	16	33	17	19	12	15	15	20	16
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	White	3,508	3,760	3,558	3,432	3,159	3,020	2,988	2,918	2,589	2,519
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	More than one race	62	77	86	120	95	148	143	134	118	141
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	264	272	279	183	170	137	132	185	378	285
Science and engineering-related	Homeland security and fire protection	Male	Temporary resident	NA	7	10	5	9	7	11	12	8	10	9
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Hispanic or Latino	5	3	2	1	1	1	1	1	3	3
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	4	0	2	11	3	1	1	1	1
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Asian	4	0	4	0	1	3	1	0	0	0
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Black or African American	4	2	1	5	5	5	4	4	2	3
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	1	0	0
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	White	36	25	34	29	28	47	22	26	25	26
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	More than one race	1	0	0	1	1	2	0	1	2	2
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	0	2	1	1	2	2	1	0	0	0
Science and engineering-related	Science and mathematics education	Female	Temporary resident	NA	1	1	0	0	2	0	0	1	0	1
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Hispanic or Latino	1	2	1	3	0	3	1	1	1	1
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	2	3	7	2	0	0	0	0
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Asian	2	0	1	1	0	1	2	4	0	1
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Black or African American	2	1	2	3	4	4	2	1	3	2
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	0	0	0	0
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	White	19	15	26	20	13	18	23	20	11	13
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	More than one race	0	1	0	0	0	0	0	0	1	2
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1	2	2	3	0	1	0	1	0	0
Science and engineering-related	Science and mathematics education	Male	Temporary resident	NA	0	1	0	1	1	1	1	0	0	1

Table SHED-11
Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Hispanic or Latino	605	602	597	665	575	662	639	668	644	760
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	55	84	70	75	52	63	47	42	50	45
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Asian	174	156	194	194	175	159	212	239	245	245
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Black or African American	723	686	604	719	579	559	537	498	449	459
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	17	16	15	14	20	26	11	9	20	14
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	White	2,775	2,725	2,529	2,490	2,334	2,317	2,486	2,476	2,126	1,979
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	More than one race	65	92	102	117	135	126	125	147	134	156
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	457	227	216	221	181	129	140	147	147	157
Science and engineering-related	Technology and technical fields	Female	Temporary resident	NA	63	60	53	74	100	126	97	93	90	102
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Hispanic or Latino	4,532	4,130	3,904	4,078	3,456	3,347	3,623	3,719	3,586	3,246
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	305	317	299	303	235	197	209	188	184	166
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Asian	879	924	874	957	798	830	890	872	774	815
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Black or African American	3,611	3,558	3,354	3,569	2,415	2,309	2,048	2,000	1,745	1,648
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	73	97	74	75	76	95	86	64	58	46
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	White	21,296	20,250	19,027	18,779	16,579	16,538	16,147	15,286	13,927	13,294
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	More than one race	265	437	463	530	515	549	557	584	562	572
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	3,550	1,546	1,593	1,386	1,090	906	880	926	831	749
Science and engineering-related	Technology and technical fields	Male	Temporary resident	NA	206	232	236	231	289	355	323	369	324	300
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Hispanic or Latino	305	357	379	425	509	588	648	785	802	828
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	44	52	55	43	49	59	45	60	62	56
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Asian	87	106	134	125	160	195	173	203	244	192
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Black or African American	314	266	283	284	381	456	469	477	581	801
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	18	21	13	22	18	21	17	27	17	24
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	White	1,579	1,615	1,626	1,602	1,699	1,985	2,045	2,155	2,258	2,312
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	More than one race	49	73	100	102	110	136	145	176	200	193
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	148	148	133	148	141	150	131	157	156	204
Science and engineering-related	Other science and engineering-related fields	Female	Temporary resident	NA	51	75	65	57	52	48	49	59	71	84
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Hispanic or Latino	3,641	3,730	3,832	4,129	4,513	4,938	5,312	6,147	6,306	5,936
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	426	407	373	361	345	428	419	436	355	308
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Asian	829	724	864	882	931	1,016	1,089	1,175	1,192	1,055
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Black or African American	2,649	2,515	2,440	2,419	2,461	2,491	2,169	2,196	2,036	2,037
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	131	146	156	151	145	155	146	146	138	124
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	White	20,987	20,436	20,268	20,130	20,433	20,937	21,206	20,502	18,949	19,579
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	More than one race	423	535	646	648	735	794	900	1,184	1,048	1,035
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,835	1,517	1,432	1,439	1,451	1,426	1,433	1,436	1,171	1,175
Science and engineering-related	Other science and engineering-related fields	Male	Temporary resident	NA	221	252	205	225	308	319	326	395	384	344

NA = not available.

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs. Racial or ethnic breakouts include U.S. citizens and permanent residents only; temporary visa holder includes all racial or ethnic groups. Hispanic may be any race, and race categories exclude Hispanic origin.

Source(s):
National Center for Science and Engineering Statistics, special tabulations (2022) of the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey, provisional release data.

Science and Engineering Indicators

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Hispanic or Latino	922	1,222	1,340	1,549	1,745	1,901	2,240	2,577	2,832	3,094
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	136	138	116	126	98	118	143	118	147	157
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Asian	658	760	722	775	727	758	860	910	907	978
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Black or African American	474	506	571	592	652	723	677	762	825	917
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	30	38	52	46	26	38	37	27	42	27
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	White	11,966	12,836	13,449	13,916	14,417	14,651	15,336	15,900	16,240	16,533
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	More than one race	245	328	519	581	706	735	891	878	951	1,064
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	784	740	688	630	588	592	532	601	602	608
Science and engineering	Agricultural sciences and natural resources	Female	Temporary resident	NA	241	338	368	402	413	478	542	619	662	576
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Hispanic or Latino	721	861	968	1,007	1,196	1,320	1,336	1,507	1,571	1,653
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	107	126	102	113	103	120	117	108	108	101
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Asian	431	415	449	444	446	455	471	450	499	471
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Black or African American	348	368	391	403	390	409	469	433	468	503
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	21	31	26	44	26	26	27	20	17	27
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	White	11,904	12,738	13,188	13,377	13,265	13,278	13,478	13,265	12,795	12,249
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	More than one race	170	272	293	354	403	444	503	562	521	539
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	644	622	610	537	541	482	457	510	443	442
Science and engineering	Agricultural sciences and natural resources	Male	Temporary resident	NA	182	235	249	274	303	352	437	433	482	469
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	5,313	5,927	6,786	7,797	8,638	9,154	10,483	11,483	12,755	14,401
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	342	298	291	252	287	272	266	256	259	298
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Asian	8,596	8,749	8,973	9,259	9,671	10,111	10,620	10,778	11,188	12,100
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Black or African American	4,829	5,040	5,149	5,467	5,947	6,344	6,435	6,871	7,417	8,072
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	150	137	163	138	122	130	150	144	153	140
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	White	32,109	33,344	34,594	36,014	37,412	38,312	39,081	39,643	41,996	43,288
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	More than one race	921	1,160	1,805	2,228	2,423	2,707	3,030	3,191	3,561	3,949
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	2,603	2,558	2,112	2,236	1,971	1,939	1,711	1,901	1,913	2,008
Science and engineering	Biological and biomedical sciences	Female	Temporary resident	NA	1,639	1,765	1,687	1,703	1,953	2,155	2,335	2,575	2,762	2,833
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	3,360	3,849	4,426	4,990	5,482	5,685	6,304	6,504	6,797	7,314
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	213	212	182	169	162	165	170	161	125	167
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Asian	6,510	6,738	6,830	7,030	7,103	7,049	6,948	6,960	6,915	7,081
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Black or African American	2,042	2,246	2,267	2,516	2,572	2,709	2,640	2,704	2,782	2,945
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	104	102	100	144	109	104	77	96	82	91
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	White	23,697	24,684	25,942	26,275	26,191	25,544	24,722	24,173	24,062	23,150
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	More than one race	619	801	1,108	1,496	1,654	1,769	1,802	1,777	1,820	1,979
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,962	1,820	1,625	1,499	1,266	1,224	1,058	1,102	1,154	1,032
Science and engineering	Biological and biomedical sciences	Male	Temporary resident	NA	1,132	1,147	1,103	1,176	1,280	1,321	1,438	1,451	1,553	1,544

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	792	910	1,007	1,044	1,219	1,417	1,536	1,906	2,084	2,497
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	50	67	57	62	47	57	62	51	67	68
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Asian	834	903	1,166	1,427	1,855	2,378	3,030	3,706	4,402	5,030
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Black or African American	1,456	1,487	1,463	1,460	1,430	1,562	1,720	1,927	2,044	2,424
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	39	25	37	47	49	29	27	45	37	36
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	White	3,987	4,282	4,724	4,948	5,435	5,870	6,472	7,004	7,739	8,034
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	More than one race	131	183	262	338	490	528	626	749	847	1,002
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	952	858	788	748	703	712	644	777	889	897
Science and engineering	Computer and information sciences	Female	Temporary resident	NA	488	483	634	782	983	1,232	1,858	2,266	2,706	3,055
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	3,423	3,809	4,461	4,868	5,387	6,123	6,816	7,770	8,708	9,684
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	181	200	221	219	182	198	188	196	191	263
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Asian	2,988	3,616	4,194	4,897	6,076	7,323	8,854	10,199	11,716	12,697
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Black or African American	3,377	3,995	3,998	4,271	4,218	4,489	4,820	5,424	5,710	6,293
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	106	134	142	133	145	151	135	151	156	170
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	White	23,061	24,691	26,429	28,122	29,427	31,535	33,662	35,908	37,665	39,212
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	More than one race	524	681	974	1,227	1,585	1,814	2,141	2,479	2,744	2,977
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	3,669	3,287	3,316	3,063	2,790	2,701	2,615	3,002	3,047	3,342
Science and engineering	Computer and information sciences	Male	Temporary resident	NA	1,872	1,896	2,182	2,584	3,098	3,903	4,929	5,683	6,893	7,708
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,589	1,704	1,938	2,184	2,484	2,827	3,122	3,325	3,763	4,265
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	69	79	79	73	63	59	86	83	60	76
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Asian	2,100	2,240	2,383	2,555	2,986	3,369	3,714	3,911	4,197	4,255
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Black or African American	857	846	927	952	1,034	1,093	1,241	1,303	1,503	1,555
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	38	36	35	33	37	41	32	34	41	26
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	White	9,009	9,505	10,414	11,096	12,396	13,665	14,662	15,641	16,286	15,895
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	More than one race	254	326	511	665	886	957	1,093	1,214	1,277	1,365
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	658	640	608	557	610	718	690	761	794	769
Science and engineering	Engineering	Female	Temporary resident	NA	1,305	1,470	1,649	1,785	2,119	2,403	2,697	2,768	2,900	2,666
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	5,523	6,131	6,975	7,683	8,760	9,651	10,241	11,317	11,931	12,433
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	235	266	231	233	242	232	264	231	234	234
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Asian	7,016	7,714	7,740	8,184	8,851	9,409	9,815	10,355	10,226	10,289
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Black or African American	2,316	2,621	2,617	2,853	3,107	3,267	3,461	3,593	3,627	3,678
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	126	151	145	108	123	115	134	125	126	104
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	White	42,702	44,236	46,815	48,755	51,374	54,065	55,819	56,375	55,547	53,762
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	More than one race	853	1,087	1,597	2,024	2,411	2,739	2,931	3,173	3,335	3,537
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	2,834	2,718	2,670	2,452	2,493	2,677	2,360	2,547	2,370	2,319
Science and engineering	Engineering	Male	Temporary resident	NA	5,036	5,305	5,930	6,788	7,980	9,391	10,588	10,873	11,019	9,972

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	192	228	288	331	383	377	438	503	513	505
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	25	24	22	20	26	20	18	16	16	12
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Asian	95	107	127	122	163	145	144	187	162	160
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Black or African American	75	77	81	80	91	86	118	113	113	132
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	9	5	10	7	12	10	6	8	4
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	White	2,382	2,506	2,551	2,737	2,764	2,807	2,717	2,813	2,899	2,614
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	More than one race	71	81	119	134	136	162	200	201	196	195
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	145	124	123	111	121	126	88	89	73	86
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	Temporary resident	NA	57	69	102	111	104	124	152	144	142	111
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	210	246	312	330	413	431	458	484	481	427
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	30	16	26	27	23	22	32	19	12	14
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Asian	119	140	135	180	152	163	165	152	136	157
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Black or African American	71	85	96	109	94	115	126	123	96	96
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	9	9	8	4	5	5	10	8	5	6
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	White	3,227	3,439	3,608	3,839	3,790	3,708	3,727	3,237	3,014	2,518
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	More than one race	58	70	94	131	152	185	185	187	171	136
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	159	172	160	189	160	143	133	100	109	79
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	Temporary resident	NA	85	133	146	128	154	159	203	230	194	127
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Hispanic or Latino	582	669	778	878	900	967	1,067	1,140	1,207	1,233
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	21	28	27	25	17	15	31	26	23	19
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Asian	760	824	861	961	1,011	1,077	1,279	1,346	1,438	1,572
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Black or African American	464	514	520	511	495	499	508	510	524	549
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	19	15	18	17	10	7	15	11	15	15
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	White	5,374	5,630	5,573	5,517	5,503	5,415	5,627	5,662	5,573	5,358
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	More than one race	94	152	216	257	281	317	347	382	387	444
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	350	362	296	324	304	336	278	286	268	271
Science and engineering	Mathematics and statistics	Female	Temporary resident	NA	860	1,086	1,193	1,379	1,709	2,016	2,174	2,411	2,679	2,574
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Hispanic or Latino	691	832	973	1,056	1,252	1,345	1,463	1,545	1,634	1,707
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	37	49	34	43	34	46	30	26	26	21
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Asian	1,083	1,271	1,326	1,362	1,458	1,578	1,862	1,924	1,985	2,182
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Black or African American	499	497	500	498	500	524	563	535	573	572
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	19	23	16	18	21	17	26	16	30	24
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	White	7,175	7,525	7,506	7,580	7,695	7,962	8,018	8,156	8,157	7,853
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	More than one race	143	190	289	344	400	447	471	497	556	559
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	582	536	509	484	470	515	430	446	421	417
Science and engineering	Mathematics and statistics	Male	Temporary resident	NA	1,030	1,303	1,507	1,742	2,032	2,419	2,557	2,807	3,271	3,298

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,176	1,419	1,544	1,681	1,709	1,848	2,165	2,293	2,510	2,844
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	87	74	78	62	46	59	53	51	47	59
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Asian	931	983	1,138	1,092	1,199	1,315	1,581	1,772	2,047	2,157
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Black or African American	985	1,202	1,270	1,259	1,362	1,279	1,338	1,175	1,135	1,130
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	49	57	40	52	45	35	36	36	38	32
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	White	7,189	7,544	7,655	7,409	7,209	6,979	7,301	6,982	7,179	7,210
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	More than one race	172	291	404	512	593	624	689	690	769	759
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,389	1,432	1,341	1,089	877	643	676	594	484	517
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	Temporary resident	NA	311	355	381	446	506	555	727	898	1,030	980
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	520	615	758	784	846	810	1,041	1,144	1,174	1,192
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	31	38	31	29	32	25	34	30	19	25
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Asian	447	495	555	553	563	730	876	1,029	1,101	1,061
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Black or African American	341	381	438	429	480	496	516	432	453	496
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	17	22	17	25	21	19	16	32	22	15
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	White	3,429	3,746	3,969	3,771	3,583	3,724	3,832	3,920	3,734	3,830
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	More than one race	103	140	198	234	257	340	316	311	368	359
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	519	535	515	438	430	348	333	360	292	271
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	Temporary resident	NA	184	200	255	237	299	368	455	687	769	734
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	652	668	751	905	854	959	1,102	1,136	1,362	1,424
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	38	54	53	31	35	36	44	28	40	36
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Asian	1,080	1,096	1,228	1,177	1,122	1,192	1,251	1,149	1,251	1,261
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Black or African American	798	730	758	697	679	776	820	767	797	830
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	16	20	21	16	20	13	22	12	16	14
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	White	4,749	4,799	4,989	4,905	5,036	5,148	5,172	5,189	5,347	5,324
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	More than one race	136	154	256	271	332	380	388	423	446	456
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	440	392	300	283	294	274	229	229	229	219
Science and engineering	Physical sciences	Female	Temporary resident	NA	409	476	494	521	573	627	636	685	758	724
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	781	972	1,089	1,155	1,300	1,443	1,628	1,744	1,760	1,698
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	49	49	56	47	58	39	41	57	46	37
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Asian	1,268	1,368	1,396	1,368	1,405	1,348	1,354	1,328	1,306	1,287
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Black or African American	508	530	565	560	554	595	558	587	573	584
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	12	24	16	21	20	9	19	24	11	22
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	White	8,154	8,607	8,820	9,033	8,895	8,891	8,633	8,426	7,893	7,412
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	More than one race	176	229	359	403	506	508	569	518	564	536
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	685	615	518	499	456	443	346	353	325	341
Science and engineering	Physical sciences	Male	Temporary resident	NA	566	631	671	729	782	894	988	1,125	1,125	1,124

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Hispanic or Latino	11,272	12,906	14,941	15,934	17,323	17,803	19,683	20,405	21,667	24,044
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	584	547	550	510	551	514	458	490	532	481
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Asian	5,135	5,403	5,521	5,454	5,531	5,880	5,899	5,848	6,528	6,811
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Black or African American	11,233	11,708	11,968	12,196	12,394	12,403	12,161	12,224	12,438	13,249
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	181	215	235	227	227	247	189	211	210	234
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	White	56,033	58,318	58,355	57,397	56,207	55,035	54,225	53,869	54,151	55,902
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	More than one race	1,569	1,960	2,775	3,127	3,513	3,740	3,986	4,083	4,347	4,774
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	5,126	4,516	4,010	4,031	3,572	3,524	2,953	2,962	2,849	3,013
Science and engineering	Psychology	Female	Temporary resident	NA	1,602	1,704	1,903	2,009	2,264	2,397	2,583	2,740	3,044	3,004
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Hispanic or Latino	2,979	3,527	3,973	4,208	4,491	4,542	4,932	4,981	5,184	5,535
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	186	176	173	155	139	147	137	123	128	116
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Asian	1,951	2,049	2,076	1,948	2,041	1,914	1,919	1,963	2,001	2,135
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Black or African American	2,558	2,885	2,869	3,071	2,992	3,065	2,912	2,899	2,856	3,066
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	70	83	71	82	65	69	74	74	70	68
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	White	16,039	16,532	16,548	15,724	14,917	13,953	13,079	12,564	12,715	12,644
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	More than one race	480	596	774	954	974	1,031	1,004	1,029	1,173	1,173
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,546	1,324	1,166	1,114	996	944	780	829	803	790
Science and engineering	Psychology	Male	Temporary resident	NA	454	576	631	631	730	781	788	863	914	1,000
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	13,273	15,017	15,745	16,279	17,536	18,559	19,449	21,076	22,810	23,960
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	727	703	595	580	582	568	524	574	468	549
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Asian	6,804	6,840	6,628	6,459	6,238	6,350	6,604	6,784	6,720	6,829
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Black or African American	13,963	13,906	13,637	13,334	13,365	13,082	12,875	12,865	12,835	13,122
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	306	256	254	256	239	223	231	263	233	269
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	White	51,702	51,365	49,798	46,692	45,540	44,695	44,943	45,064	44,964	44,890
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	More than one race	2,032	2,452	3,149	3,404	3,774	4,043	4,187	4,336	4,575	4,886
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	6,120	5,096	4,040	3,967	3,230	3,051	2,638	2,823	2,726	2,724
Science and engineering	Social sciences	Female	Temporary resident	NA	3,397	3,856	4,295	4,776	5,150	5,240	5,554	5,751	5,783	5,784
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	9,454	10,400	10,788	11,689	12,188	12,671	13,167	13,403	13,898	14,284
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	513	526	461	413	425	383	330	325	317	305
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Asian	6,118	6,183	5,992	5,688	5,497	5,481	5,662	5,686	5,597	5,648
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Black or African American	7,954	8,371	8,558	8,454	8,125	7,995	7,994	7,769	7,319	7,237
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	253	267	280	284	246	229	236	208	214	206
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	White	55,198	55,688	55,219	53,188	50,180	48,119	47,983	46,074	45,043	42,959
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	More than one race	1,483	1,753	2,331	2,679	2,856	3,036	3,072	3,098	3,231	3,302
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	5,474	4,743	4,016	3,881	3,193	3,040	2,676	2,664	2,496	2,383
Science and engineering	Social sciences	Male	Temporary resident	NA	3,299	3,795	4,342	4,815	5,162	5,481	5,844	5,866	5,982	5,894

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)														
Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Hispanic or Latino	19,771	20,313	20,773	21,773	23,134	23,779	25,986	26,907	27,757	29,820
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1,072	1,013	1,035	934	953	905	946	954	911	992
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Asian	12,081	11,629	11,636	11,895	12,464	13,084	13,682	13,951	13,778	14,472
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Black or African American	24,506	23,244	21,310	21,114	20,583	20,535	19,971	20,033	19,619	20,688
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	517	585	592	513	518	500	441	528	456	505
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	White	95,465	92,906	90,750	92,187	93,226	95,302	95,942	95,196	93,203	92,142
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	More than one race	2,004	2,430	3,199	3,693	4,564	4,966	5,347	5,635	5,849	5,994
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	13,500	11,990	10,557	9,718	8,532	7,761	7,070	7,521	7,376	7,669
Non-science and engineering	Business	Female	Temporary resident	NA	10,155	11,242	11,633	12,217	12,713	13,093	13,245	12,820	12,580	11,897
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Hispanic or Latino	16,792	17,554	18,598	19,884	21,070	22,253	24,309	25,749	26,724	28,240
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	896	904	820	782	792	785	724	732	731	781
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Asian	12,711	12,326	11,953	12,072	12,242	12,613	12,766	13,028	13,107	13,832
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Black or African American	16,202	16,044	15,798	15,557	15,497	15,741	15,783	15,583	15,285	15,577
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	514	538	491	499	479	460	456	495	445	465
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	White	118,113	115,112	114,946	115,678	118,151	121,178	122,411	123,005	122,255	121,401
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	More than one race	2,007	2,540	3,189	3,892	4,647	5,058	5,683	6,020	6,149	6,679
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	13,238	12,198	11,100	10,598	9,557	9,005	8,090	8,784	8,230	8,391
Non-science and engineering	Business	Male	Temporary resident	NA	10,579	11,514	12,190	12,889	14,368	14,835	15,140	15,170	15,066	13,651
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Hispanic or Latino	6,905	6,713	6,641	6,467	6,993	7,110	7,769	8,203	8,886	10,279
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	551	518	555	495	437	421	379	410	400	433
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Asian	1,459	1,411	1,458	1,412	1,469	1,665	1,720	1,774	1,793	1,964
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Black or African American	5,538	6,081	5,616	5,309	4,724	4,604	4,475	4,507	4,464	4,964
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	179	199	212	178	188	136	127	175	145	176
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	White	63,092	61,717	57,892	53,269	50,360	49,285	47,521	47,925	48,297	49,731
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	More than one race	801	880	1,124	1,310	1,547	1,639	1,675	1,857	1,956	2,055
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	3,313	3,106	2,838	2,493	2,046	1,938	1,773	1,811	1,807	2,074
Non-science and engineering	Education	Female	Temporary resident	NA	843	683	645	689	739	721	764	836	871	965
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Hispanic or Latino	1,433	1,562	1,419	1,462	1,603	1,407	1,615	1,598	1,715	1,815
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	152	140	115	126	126	95	93	83	86	93
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Asian	347	364	355	357	362	354	381	399	379	438
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Black or African American	1,657	1,768	1,649	1,563	1,583	1,442	1,396	1,278	1,309	1,341
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	69	61	67	56	53	44	42	36	52	53
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	White	15,425	15,223	14,192	12,609	11,551	10,697	9,880	9,739	9,687	9,701
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	More than one race	176	268	311	319	401	362	400	411	428	467
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	821	788	652	543	489	391	366	401	376	384
Non-science and engineering	Education	Male	Temporary resident	NA	254	224	217	208	177	163	210	201	214	197

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)														
Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Hispanic or Latino	8,067	8,328	8,620	8,300	8,421	8,488	8,787	9,304	9,307	9,341
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	432	355	331	291	265	233	207	209	238	205
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Asian	3,165	3,044	2,769	2,505	2,418	2,448	2,406	2,387	2,465	2,419
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Black or African American	5,376	5,260	5,153	4,840	4,766	4,439	4,379	4,266	4,091	4,171
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	135	114	135	110	106	120	92	87	105	82
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	White	51,454	50,020	46,601	43,054	39,704	37,691	36,538	35,566	34,889	32,922
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	More than one race	1,453	1,652	2,088	2,281	2,346	2,382	2,410	2,306	2,469	2,519
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	4,346	3,896	3,203	2,949	2,499	2,271	1,807	1,927	1,672	1,572
Non-science and engineering	Humanities	Female	Temporary resident	NA	985	969	1,011	1,061	1,015	1,032	1,079	1,252	1,233	1,213
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Hispanic or Latino	5,044	5,667	5,730	5,370	5,476	5,417	5,601	5,604	5,708	5,696
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	327	320	279	242	220	227	176	185	197	132
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Asian	2,073	2,187	1,910	1,734	1,605	1,590	1,617	1,463	1,602	1,522
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Black or African American	2,984	3,175	3,161	3,021	2,954	2,842	2,637	2,533	2,345	2,242
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	124	129	117	96	92	74	85	87	62	66
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	White	44,110	43,040	40,133	36,887	33,565	31,724	30,565	29,628	28,448	27,124
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	More than one race	935	1,115	1,390	1,443	1,447	1,437	1,475	1,520	1,561	1,489
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	3,490	3,134	2,552	2,337	1,994	1,782	1,614	1,555	1,343	1,290
Non-science and engineering	Humanities	Male	Temporary resident	NA	677	714	744	776	832	855	891	961	971	884
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Hispanic or Latino	4,972	5,565	5,853	6,240	6,534	6,499	6,774	7,244	8,015	8,332
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	318	334	284	281	239	220	211	231	182	200
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Asian	3,373	3,581	3,500	3,285	3,388	3,430	3,535	3,612	3,763	3,731
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Black or African American	3,148	3,173	3,330	3,341	3,443	3,673	3,554	3,792	3,980	4,151
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	89	121	108	100	118	96	64	94	71	79
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	White	39,065	39,034	38,187	36,300	34,596	33,806	32,563	32,885	33,978	32,504
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	More than one race	1,045	1,282	1,752	2,053	2,203	2,478	2,494	2,551	2,642	2,666
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	4,521	4,359	3,748	3,508	2,622	2,263	1,697	1,822	1,804	1,777
Non-science and engineering	Visual and performing arts	Female	Temporary resident	NA	2,270	2,481	2,578	2,922	3,396	3,626	3,741	3,841	4,108	3,748
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Hispanic or Latino	3,642	4,119	4,219	4,647	4,991	4,897	5,098	5,180	5,256	5,523
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	249	225	213	213	197	157	150	139	127	127
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Asian	1,965	1,991	1,909	1,989	1,930	1,802	1,885	1,880	1,912	2,017
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Black or African American	2,459	2,652	2,850	2,882	3,035	3,030	2,886	2,987	3,254	3,130
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	74	94	100	79	79	87	67	70	62	51
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	White	24,151	24,148	23,850	22,779	21,551	20,474	19,566	19,278	18,931	17,987
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	More than one race	562	719	931	1,334	1,330	1,397	1,444	1,408	1,437	1,496
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	3,105	3,058	2,899	2,855	2,058	1,641	1,287	1,287	1,166	1,215
Non-science and engineering	Visual and performing arts	Male	Temporary resident	NA	1,128	1,218	1,280	1,421	1,746	1,969	2,019	1,935	2,075	1,802

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	19,247	21,245	22,785	24,498	26,162	28,116	29,557	30,949	31,979	33,261
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1,228	1,228	1,199	1,062	1,042	1,022	987	946	959	973
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Asian	5,865	6,151	5,981	6,227	6,379	6,490	6,980	7,037	6,900	7,335
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Black or African American	22,853	23,609	24,172	24,393	25,197	25,714	25,392	24,726	24,244	23,940
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	386	445	437	416	391	419	397	351	345	388
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	White	101,299	102,407	102,825	101,821	101,434	100,374	98,900	96,877	94,362	91,741
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	More than one race	2,437	3,189	4,213	5,061	5,854	6,481	6,694	6,810	6,922	6,934
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	10,773	9,912	9,018	8,210	7,102	6,281	5,471	5,466	5,381	5,270
Non-science and engineering	Other non-science and engineering	Female	Temporary resident	NA	3,308	3,530	3,655	4,094	4,516	4,920	5,189	5,288	5,331	5,125
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	9,318	10,343	11,611	12,540	13,143	13,968	14,448	15,211	15,623	16,130
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	616	653	621	620	544	537	507	504	491	467
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Asian	3,480	3,491	3,450	3,624	3,712	3,793	3,886	4,055	4,186	4,142
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Black or African American	10,966	11,928	12,605	13,160	13,957	14,092	13,891	14,066	13,856	13,938
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	254	281	330	327	297	308	254	258	303	275
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	White	62,659	63,648	63,768	62,363	60,928	59,814	57,449	57,035	55,793	54,666
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	More than one race	1,284	1,659	2,072	2,661	3,103	3,233	3,479	3,599	3,866	3,894
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	6,629	6,114	5,947	5,763	4,999	4,331	3,730	3,702	3,787	3,591
Non-science and engineering	Other non-science and engineering	Male	Temporary resident	NA	1,964	2,106	2,233	2,409	2,792	3,013	3,232	3,266	3,544	3,280
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Hispanic or Latino	12,229	14,763	18,005	20,786	24,037	26,265	28,004	30,371	32,829	36,295
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	816	913	935	983	933	1,053	998	1,080	1,217	1,339
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Asian	8,677	9,759	11,124	11,985	12,654	13,288	14,166	14,788	15,385	16,614
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Black or African American	16,443	18,426	19,912	21,047	22,507	23,514	24,186	24,974	26,214	29,393
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	440	490	594	604	579	583	624	604	616	624
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	White	96,580	106,028	114,818	124,966	130,442	135,025	138,411	139,274	140,362	141,360
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	More than one race	1,806	2,502	3,381	4,358	5,084	5,580	6,064	6,410	7,055	7,460
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	10,322	10,192	10,498	10,892	10,251	9,775	9,553	9,735	9,908	10,376
Science and engineering-related	Health professions and related programs	Female	Temporary resident	NA	1,889	1,897	1,947	1,916	2,031	2,045	2,170	2,355	2,515	2,977
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Hispanic or Latino	3,431	4,243	4,956	5,779	6,544	7,136	7,472	8,112	8,561	8,846
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	172	235	198	225	211	239	229	250	234	266
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Asian	2,657	3,068	3,537	3,778	4,238	4,476	4,584	4,650	4,835	5,228
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Black or African American	3,155	3,675	4,082	4,323	4,771	4,977	5,156	5,242	5,389	5,876
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	139	167	195	213	204	203	214	208	232	209
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	White	20,606	23,493	25,229	26,878	27,904	28,585	28,091	28,468	27,396	27,280
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	More than one race	428	633	833	1,100	1,375	1,548	1,681	1,775	1,801	1,938
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	2,174	2,201	2,122	2,249	2,150	2,064	1,954	1,998	2,045	2,101
Science and engineering-related	Health professions and related programs	Male	Temporary resident	NA	621	650	673	782	905	991	1,052	993	1,100	1,055

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Hispanic or Latino	94	77	109	118	122	146	181	210	186	255
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	5	7	9	6	11	4	8	10	9
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Asian	12	13	15	14	13	18	29	38	32	44
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Black or African American	126	111	158	150	147	118	146	148	150	160
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	4	3	4	5	5	1	4	2
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	White	359	389	466	481	499	479	556	591	579	671
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	More than one race	14	7	14	15	13	36	40	40	43	49
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	40	43	51	63	55	50	40	40	60	67
Science and engineering-related	Homeland security and fire protection	Female	Temporary resident	NA	7	4	9	9	11	13	16	12	19	16
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Hispanic or Latino	166	201	247	283	334	337	342	429	451	482
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	14	16	24	24	32	22	24	26	19	22
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Asian	31	51	49	63	48	47	57	65	78	81
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Black or African American	162	233	257	274	282	262	300	299	272	288
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	8	7	8	11	14	18	20	10	12	13
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	White	1,655	1,969	2,212	2,286	2,435	2,248	2,384	2,457	2,523	2,554
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	More than one race	13	32	56	49	62	70	77	92	98	105
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	165	180	206	218	213	215	219	237	338	410
Science and engineering-related	Homeland security and fire protection	Male	Temporary resident	NA	31	48	37	50	84	125	119	150	126	70
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Hispanic or Latino	205	204	195	187	192	171	176	205	193	218
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	21	17	20	21	8	9	12	12	11	12
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Asian	62	56	59	60	62	47	59	64	50	52
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Black or African American	114	99	75	96	67	51	67	55	51	37
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	3	3	5	0	0	1	5	2	1
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	White	2,574	2,472	2,252	2,116	1,892	1,792	1,814	1,850	1,735	1,824
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	More than one race	29	38	43	46	61	56	43	60	51	66
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	100	81	96	71	64	50	54	42	54	50
Science and engineering-related	Science and mathematics education	Female	Temporary resident	NA	22	16	23	5	22	12	20	12	19	22
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Hispanic or Latino	129	101	88	109	110	106	79	96	97	113
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	14	23	8	17	6	11	4	8	11	10
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Asian	31	38	33	32	29	25	29	27	31	29
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Black or African American	53	53	57	63	44	31	37	25	46	30
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	4	3	5	3	1	2	3	2	1
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	White	1,591	1,580	1,469	1,278	1,149	1,067	921	1,005	991	920
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	More than one race	18	17	20	26	28	26	34	38	32	24
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	61	61	48	49	46	38	26	27	10	37
Science and engineering-related	Science and mathematics education	Male	Temporary resident	NA	10	11	12	2	12	9	4	6	10	9

Table SHED-12
Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Hispanic or Latino	242	248	235	233	267	303	373	400	426	503
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	24	20	23	15	22	20	21	16	21	19
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Asian	76	107	88	95	105	141	151	177	218	197
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Black or African American	339	281	274	312	301	293	284	314	317	332
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	5	8	4	6	3	8	4	4	5
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	White	1,156	1,210	1,156	1,294	1,312	1,449	1,579	1,631	1,743	1,693
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	More than one race	28	40	36	64	70	89	73	121	136	127
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	125	112	109	118	102	106	78	90	124	148
Science and engineering-related	Technology and technical fields	Female	Temporary resident	NA	66	83	91	89	107	170	207	184	209	220
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Hispanic or Latino	1,307	1,476	1,442	1,505	1,477	1,584	1,804	2,056	2,286	2,405
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	145	154	133	146	103	109	110	84	111	100
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Asian	649	668	644	620	717	678	735	809	835	844
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Black or African American	1,471	1,512	1,529	1,432	1,357	1,343	1,396	1,419	1,386	1,386
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	27	40	35	45	28	33	44	36	34	33
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	White	12,198	11,630	11,053	11,064	10,941	11,410	11,631	12,263	12,265	11,989
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	More than one race	162	336	290	364	356	454	487	534	577	547
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,079	818	933	798	654	685	606	612	703	766
Science and engineering-related	Technology and technical fields	Male	Temporary resident	NA	497	586	651	890	1,018	1,372	1,520	1,548	1,442	1,255
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Hispanic or Latino	89	90	92	76	80	108	95	120	158	135
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	15	11	10	9	9	9	10	5	15	7
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Asian	24	24	25	35	22	29	33	30	40	33
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Black or African American	34	45	44	39	41	53	32	44	39	68
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	3	2	4	2	0	3	3	3	4
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	White	366	355	355	326	350	356	344	349	345	374
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	More than one race	9	8	13	14	21	21	18	26	25	16
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	33	19	23	27	19	24	20	13	14	15
Science and engineering-related	Other science and engineering-related fields	Female	Temporary resident	NA	27	24	22	42	45	28	51	52	32	29
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Hispanic or Latino	211	195	251	291	285	272	288	346	384	330
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	14	14	16	13	19	14	18	13	16	9
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Asian	74	79	102	105	96	89	121	96	83	122
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Black or African American	135	153	137	150	143	149	152	164	128	162
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	12	17	17	14	8	12	6	10	12	7
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	White	2,080	1,843	2,063	2,134	1,994	1,921	1,946	1,888	1,669	1,733
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	More than one race	30	57	55	61	81	71	73	75	73	87
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	176	138	132	143	114	102	94	93	66	78
Science and engineering-related	Other science and engineering-related fields	Male	Temporary resident	NA	101	78	110	150	184	140	135	127	104	152

NA = not available.

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs. Racial or ethnic breakouts include U.S. citizens and permanent residents only; temporary visa holder includes all racial or ethnic groups. Hispanic may be any race, and race categories exclude Hispanic origin.

Source(s):
National Center for Science and Engineering Statistics, special tabulations (2022) of the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey, provisional release data.

Science and Engineering Indicators

Table SHED-13

Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Hispanic or Latino	180	191	202	207	235	252	266	305	339	331
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	18	31	10	26	14	24	23	26	24	26
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Asian	146	131	114	111	116	124	130	117	158	147
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Black or African American	111	131	125	108	127	119	140	157	116	167
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	9	4	8	3	6	6	4	11	5
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	White	2,333	2,264	2,388	2,314	2,455	2,469	2,569	2,708	2,711	2,741
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	More than one race	37	57	59	76	78	98	114	127	116	148
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	158	187	189	180	173	182	189	190	151	161
Science and engineering	Agricultural sciences and natural resources	Female	Temporary resident	NA	409	456	503	478	551	555	628	640	651	642
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Hispanic or Latino	131	122	126	136	168	163	190	206	208	200
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	17	10	12	15	15	9	15	12	21	11
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Asian	82	68	81	68	61	75	78	97	69	88
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Black or African American	70	79	87	94	85	100	96	100	89	78
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	6	3	4	0	2	4	4	3	1
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	White	1,988	1,948	1,928	1,899	1,880	1,850	1,829	1,888	1,805	1,842
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	More than one race	38	42	58	57	47	80	57	75	78	64
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	192	153	154	136	140	128	149	123	112	101
Science and engineering	Agricultural sciences and natural resources	Male	Temporary resident	NA	357	397	381	377	418	446	488	471	470	466
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	412	444	513	558	669	773	855	1,030	1,127	1,290
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	33	20	28	18	11	23	23	32	31	26
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Asian	839	936	961	994	1,065	1,137	1,273	1,330	1,377	1,597
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Black or African American	477	566	551	614	673	782	853	1,001	1,068	1,187
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	16	10	10	7	6	8	11	8	11	21
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	White	3,480	3,650	3,769	3,927	4,202	4,414	4,673	4,802	5,186	5,258
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	More than one race	102	172	167	184	234	268	304	333	407	399
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	425	415	468	490	520	390	407	472	463	449
Science and engineering	Biological and biomedical sciences	Female	Temporary resident	NA	1,196	1,239	1,323	1,528	1,512	1,600	1,655	1,706	1,836	1,880
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	267	317	379	379	521	577	598	674	696	820
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	17	17	20	21	13	18	8	25	14	17
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Asian	644	731	751	831	843	896	942	1,032	923	1,004
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Black or African American	213	239	281	282	320	354	411	447	457	541
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	9	11	9	12	7	9	7	6	10	7
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	White	2,839	3,107	3,172	3,239	3,452	3,490	3,574	3,656	3,619	3,345
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	More than one race	68	117	107	149	169	197	179	220	229	227
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	337	321	357	379	377	298	292	272	273	306
Science and engineering	Biological and biomedical sciences	Male	Temporary resident	NA	942	915	937	903	969	985	1,006	981	1,016	1,031

Table SHED-13

Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	225	189	236	273	334	329	391	478	569	654
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	18	14	22	13	22	22	17	13	16	30
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Asian	499	515	622	747	849	1,045	1,079	1,234	1,462	1,773
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Black or African American	580	689	664	698	736	804	844	973	1,064	1,155
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	4	11	13	12	12	16	13	14	16
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	White	1,247	1,370	1,559	1,735	1,732	1,843	2,119	2,354	2,740	3,063
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	More than one race	47	75	83	109	114	150	168	185	222	266
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	442	447	471	443	455	417	454	535	581	716
Science and engineering	Computer and information sciences	Female	Temporary resident	NA	2,778	2,960	3,420	5,576	8,118	9,772	10,005	9,215	10,404	10,554
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	585	626	685	783	826	902	1,081	1,208	1,469	1,518
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	34	31	34	40	37	50	32	38	44	59
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Asian	1,068	1,223	1,259	1,427	1,750	2,205	2,096	2,255	2,780	3,140
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Black or African American	840	1,087	1,137	1,215	1,262	1,348	1,555	1,671	1,830	1,980
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	10	20	24	25	25	33	24	26	27	36
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	White	4,750	5,155	5,238	5,488	5,546	6,124	6,576	7,380	7,934	8,978
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	More than one race	133	154	207	236	274	338	395	425	509	553
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,165	1,126	1,157	954	926	919	880	1,005	1,067	1,399
Science and engineering	Computer and information sciences	Male	Temporary resident	NA	6,587	7,148	7,806	11,777	17,193	20,301	18,805	16,689	18,716	18,136
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	462	467	500	471	512	531	576	650	674	749
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	22	20	7	15	19	20	15	23	18	18
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Asian	960	989	954	973	1,021	976	1,013	1,082	1,134	1,257
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Black or African American	318	295	279	296	308	292	316	325	331	397
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	8	8	6	8	5	12	8	7	3	10
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	White	2,754	2,848	2,850	2,939	2,928	3,141	3,215	3,412	3,530	3,740
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	More than one race	115	107	133	149	173	179	203	243	247	303
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	367	397	435	333	372	319	325	279	288	286
Science and engineering	Engineering	Female	Temporary resident	NA	4,187	4,484	5,108	6,326	7,591	7,677	7,598	6,981	6,570	6,389
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	1,295	1,401	1,463	1,549	1,453	1,619	1,669	1,844	1,843	1,888
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	53	53	38	36	48	44	45	34	37	47
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Asian	2,659	2,623	2,437	2,319	2,399	2,507	2,478	2,656	2,510	2,618
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Black or African American	775	799	781	836	783	789	765	809	822	850
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	24	23	24	27	17	24	20	12	19	17
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	White	11,974	11,390	11,413	10,976	10,756	10,819	11,122	11,082	10,791	10,953
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	More than one race	249	348	392	394	489	476	522	593	604	607
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,466	1,506	1,603	1,251	1,218	1,080	994	896	803	759
Science and engineering	Engineering	Male	Temporary resident	NA	12,822	12,854	14,128	17,389	21,708	22,550	21,029	18,948	17,205	16,554

Table SHED-13
Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	42	41	56	69	69	69	81	84	92	92
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	10	6	1	4	9	4	2	5	3	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Asian	27	23	22	35	48	27	36	41	38	47
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Black or African American	15	17	18	21	14	21	21	23	25	20
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	1	1	1	1	1	2	0	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	White	702	749	802	789	778	756	748	749	701	710
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	More than one race	16	18	33	21	29	25	40	43	43	42
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	73	51	45	57	44	54	55	46	44	27
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Female	Temporary resident	NA	132	148	144	148	149	177	126	123	118	120
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	52	46	59	53	65	68	81	78	92	78
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	11	6	3	5	4	1	4	2	5
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Asian	16	24	29	27	26	23	32	36	32	25
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Black or African American	27	32	26	26	21	17	31	30	29	32
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	1	1	0	2	1	2	1
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	White	874	888	940	950	889	907	855	872	801	729
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	More than one race	10	24	30	21	29	24	39	40	31	32
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	66	53	69	63	54	69	44	52	42	36
Science and engineering	Geosciences, atmospheric sciences, and ocean sciences	Male	Temporary resident	NA	198	183	224	212	232	218	190	181	156	147
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Hispanic or Latino	83	101	94	92	101	114	132	132	193	190
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	2	1	4	4	2	1	1	5	2
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Asian	220	223	229	228	249	319	317	329	418	377
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Black or African American	74	66	73	71	76	74	70	93	84	106
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	1	1	0	1	3	1	0	1
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	White	953	961	1,021	959	991	1,000	990	986	1,083	1,172
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	More than one race	23	27	24	36	30	52	40	58	45	73
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	133	125	102	80	99	89	93	91	114	100
Science and engineering	Mathematics and statistics	Female	Temporary resident	NA	1,191	1,410	1,647	1,807	2,156	2,525	3,072	3,289	3,360	3,368
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Hispanic or Latino	148	189	179	203	189	190	230	282	340	389
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	6	4	5	5	3	4	5	11	4
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Asian	278	336	312	313	321	344	414	459	487	582
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Black or African American	105	139	115	129	120	109	114	121	138	151
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	0	2	3	4	4	1	2	1	3
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	White	1,622	1,654	1,671	1,704	1,693	1,664	1,874	1,987	2,076	2,306
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	More than one race	40	52	42	60	65	77	81	129	126	112
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	223	214	164	192	181	164	157	210	197	202
Science and engineering	Mathematics and statistics	Male	Temporary resident	NA	1,515	1,807	1,997	2,159	2,618	2,843	3,417	3,665	3,814	3,881

Table SHED-13

Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	170	203	178	184	216	291	311	390	459	524
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	12	8	11	8	15	11	13	11	11
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Asian	134	159	130	170	213	179	268	302	374	452
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Black or African American	139	156	175	210	210	260	288	290	326	431
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	2	8	7	8	6	4	5	2	12
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	White	1,321	1,401	1,371	1,383	1,511	1,732	1,899	2,090	2,327	2,473
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	More than one race	51	60	94	61	64	115	101	112	149	157
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	213	194	131	160	185	207	195	193	204	206
Science and engineering	Multidisciplinary and interdisciplinary sciences	Female	Temporary resident	NA	231	294	349	417	448	598	754	913	1,104	1,244
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	108	154	132	135	134	168	189	238	241	368
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	15	10	11	7	5	11	8	10	4	5
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Asian	93	86	83	94	100	132	151	188	223	255
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Black or African American	94	114	124	132	146	141	136	165	184	220
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	2	8	9	5	0	3	4	5	3
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	White	1,005	1,052	1,009	1,019	1,044	1,062	1,105	1,209	1,343	1,436
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	More than one race	23	37	57	38	40	64	60	74	94	80
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	133	134	125	113	121	99	83	123	112	106
Science and engineering	Multidisciplinary and interdisciplinary sciences	Male	Temporary resident	NA	181	222	238	262	383	525	624	742	839	941
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	60	51	66	80	80	96	102	115	134	148
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	10	3	3	3	0	2	7	3	3
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Asian	100	137	123	107	136	130	141	135	132	149
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Black or African American	84	72	76	74	60	68	59	64	72	74
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	2	0	0	2	4	2	1	2	1
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	White	782	756	739	682	698	743	722	789	796	811
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	More than one race	25	29	25	37	40	34	47	40	57	56
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	61	86	85	68	62	55	72	50	44	42
Science and engineering	Physical sciences	Female	Temporary resident	NA	602	579	633	641	645	632	646	574	548	525
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	92	139	133	161	164	164	190	251	208	250
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	7	7	9	5	11	6	7	3	5	1
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Asian	160	191	162	168	181	178	176	185	179	189
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Black or African American	91	72	56	69	74	73	79	74	86	70
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	6	3	2	1	1	3	2	2	3
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	White	1,515	1,539	1,483	1,482	1,499	1,427	1,569	1,520	1,466	1,354
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	More than one race	33	55	33	52	75	71	69	81	77	78
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	157	134	136	159	127	110	90	107	93	62
Science and engineering	Physical sciences	Male	Temporary resident	NA	1,055	1,047	1,005	1,065	1,062	1,130	1,120	1,001	1,112	1,050

Table SHED-13
Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Hispanic or Latino	2,010	2,350	2,431	2,512	2,897	3,060	3,243	3,440	3,730	4,357
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	107	130	128	110	106	111	112	110	119	95
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Asian	750	824	798	747	786	832	894	986	1,025	1,195
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Black or African American	2,875	2,955	3,030	2,910	2,985	2,985	3,090	3,198	3,036	3,297
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	43	54	64	63	45	76	58	49	55	68
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	White	13,277	13,645	13,811	13,039	13,346	12,952	12,737	13,241	13,588	14,086
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	More than one race	369	429	484	498	552	682	725	768	885	900
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	2,344	2,106	1,902	1,823	1,790	1,681	1,701	1,963	1,871	1,907
Science and engineering	Psychology	Female	Temporary resident	NA	741	842	791	807	898	878	904	916	888	976
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Hispanic or Latino	444	576	566	624	663	703	764	829	820	949
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	23	25	36	27	38	31	27	29	26	23
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Asian	233	228	222	230	206	232	248	252	291	334
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Black or African American	565	570	585	558	620	636	631	598	725	675
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	17	13	18	10	15	12	20	15	14	23
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	White	3,441	3,624	3,671	3,511	3,334	3,313	3,190	3,183	3,149	3,300
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	More than one race	84	112	110	119	155	174	156	163	200	227
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	600	499	469	401	498	417	423	460	445	455
Science and engineering	Psychology	Male	Temporary resident	NA	194	262	214	232	228	232	221	230	261	260
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,219	1,204	1,269	1,312	1,362	1,466	1,540	1,551	1,650	1,788
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	86	71	74	64	96	101	93	78	78	87
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Asian	782	774	745	682	674	732	706	736	767	748
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Black or African American	1,636	1,593	1,717	1,753	1,761	1,879	1,894	1,787	1,751	1,856
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	30	26	19	18	15	20	16	16	15	21
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	White	7,467	7,157	6,988	6,808	6,448	6,521	6,353	6,433	6,361	6,291
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	More than one race	297	327	377	377	371	427	478	481	489	522
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,601	1,358	1,043	974	816	737	676	723	603	624
Science and engineering	Social sciences	Female	Temporary resident	NA	2,355	2,684	2,823	2,853	2,860	3,003	3,127	3,390	3,127	3,144
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	893	875	909	919	1,023	1,057	1,093	1,079	1,162	1,196
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	66	50	42	48	43	59	55	54	48	47
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Asian	526	526	511	480	472	522	457	513	504	532
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Black or African American	794	827	879	871	835	938	909	912	876	904
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	17	19	19	16	14	21	15	8	17	14
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	White	7,038	6,605	6,549	6,369	6,128	5,982	6,033	5,887	5,857	5,641
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	More than one race	185	212	278	275	278	278	311	328	363	285
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,315	1,112	875	814	738	634	626	614	580	642
Science and engineering	Social sciences	Male	Temporary resident	NA	2,213	2,337	2,539	2,538	2,650	2,792	2,742	2,887	2,749	2,631

Table SHED-13

Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Hispanic or Latino	6,253	6,425	6,650	7,007	7,347	7,845	8,483	9,169	9,799	10,966
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	396	378	387	388	359	378	359	387	440	429
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Asian	5,906	5,472	5,387	5,392	5,451	5,681	6,016	6,479	6,766	7,186
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Black or African American	15,484	15,763	15,373	14,645	14,562	14,564	14,434	14,803	14,334	14,551
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	227	242	262	245	227	224	214	203	262	227
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	White	38,195	37,576	37,196	35,717	35,873	36,701	38,670	40,267	41,710	43,272
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	More than one race	969	1,093	1,283	1,450	1,626	1,731	1,954	2,117	2,280	2,479
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	10,056	8,189	7,809	7,369	6,910	6,154	6,164	6,263	6,021	6,370
Non-science and engineering	Business	Female	Temporary resident	NA	11,668	12,654	14,615	15,080	15,736	16,010	16,661	16,620	16,328	14,725
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Hispanic or Latino	6,266	6,310	6,737	6,698	7,208	7,572	7,797	8,434	8,717	9,465
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	371	395	340	329	339	296	324	290	331	329
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Asian	7,649	7,182	6,897	6,495	6,554	6,537	6,784	6,696	6,963	7,289
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Black or African American	8,914	9,391	9,125	8,792	9,075	8,905	9,103	9,047	8,664	9,133
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	241	268	265	223	224	209	205	195	208	184
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	White	53,098	51,665	50,861	49,377	49,030	49,353	49,738	50,590	49,997	51,927
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	More than one race	958	1,197	1,258	1,533	1,663	1,691	1,791	2,033	2,168	2,294
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	11,906	10,233	9,737	9,102	8,389	7,105	6,890	7,170	6,541	6,794
Non-science and engineering	Business	Male	Temporary resident	NA	14,184	15,270	16,182	16,349	17,357	17,403	17,426	17,386	16,936	15,814
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Hispanic or Latino	10,277	10,185	10,250	10,623	11,051	11,463	12,421	13,102	13,880	15,796
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	625	662	563	525	588	490	499	511	485	637
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Asian	3,243	3,151	3,071	2,979	3,052	3,034	3,337	3,304	3,411	3,682
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Black or African American	13,706	13,363	12,945	11,979	11,546	11,467	11,406	11,564	11,491	12,757
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	293	291	289	228	225	222	224	209	283	244
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	White	89,334	83,573	76,797	72,035	69,996	71,316	71,895	72,342	72,027	73,270
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	More than one race	1,456	1,535	1,673	1,821	2,055	2,130	2,247	2,361	2,729	2,819
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	12,816	9,465	8,335	8,000	8,550	7,668	6,838	6,631	6,437	6,945
Non-science and engineering	Education	Female	Temporary resident	NA	3,332	2,970	3,318	3,298	3,401	3,301	3,117	2,872	2,796	2,804
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Hispanic or Latino	2,805	2,938	2,817	3,002	3,165	3,248	3,358	3,515	3,590	4,152
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	190	183	180	181	186	154	131	163	149	152
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Asian	875	832	837	870	837	821	819	927	943	1,007
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Black or African American	3,568	3,576	3,461	3,347	3,238	3,199	3,361	3,148	3,221	3,627
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	84	108	103	90	76	56	76	73	81	79
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	White	26,615	24,591	23,111	21,528	21,151	20,821	20,457	19,789	19,343	19,429
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	More than one race	413	489	514	517	619	658	697	753	767	769
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	4,306	3,092	2,742	2,580	2,621	2,287	2,131	1,986	1,921	1,877
Non-science and engineering	Education	Male	Temporary resident	NA	1,083	1,005	1,202	1,024	1,028	1,080	972	875	817	775

Table SHED-13
Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Hispanic or Latino	1,079	1,139	1,149	1,166	1,161	1,159	1,259	1,356	1,365	1,473
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	74	76	64	55	64	61	62	63	56	57
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Asian	557	532	502	511	497	511	542	519	529	523
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Black or African American	1,602	1,526	1,632	1,579	1,682	1,544	1,602	1,553	1,433	1,549
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	20	20	34	12	17	11	17	21	29	24
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	White	10,756	10,417	10,050	9,387	8,810	8,632	8,557	8,416	8,246	8,598
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	More than one race	255	307	343	358	373	358	423	395	443	480
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,395	1,227	1,146	1,171	1,257	1,191	1,098	907	845	801
Non-science and engineering	Humanities	Female	Temporary resident	NA	1,087	1,057	992	1,102	1,168	1,157	1,204	1,183	1,115	1,082
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Hispanic or Latino	898	961	1,092	1,063	1,107	1,045	1,139	1,192	1,207	1,266
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	62	63	61	58	67	60	51	58	56	43
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Asian	618	608	637	612	589	567	632	564	554	625
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Black or African American	1,247	1,246	1,345	1,350	1,423	1,271	1,329	1,275	1,199	1,310
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	33	36	35	30	25	21	26	29	28	33
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	White	11,394	11,731	11,314	10,977	10,390	10,016	9,751	9,511	9,057	8,934
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	More than one race	191	238	246	279	324	315	290	343	313	349
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,378	1,451	1,173	1,341	1,256	1,175	1,091	1,005	1,011	967
Non-science and engineering	Humanities	Male	Temporary resident	NA	1,168	1,155	1,187	1,255	1,235	1,232	1,279	1,304	1,266	1,293
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Hispanic or Latino	509	536	575	577	632	657	697	676	694	753
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	28	33	35	23	32	18	21	25	27	20
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Asian	502	564	518	502	525	494	526	501	485	516
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Black or African American	416	398	493	544	543	545	598	561	615	613
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	10	16	13	5	8	14	4	11	10
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	White	5,615	5,721	5,292	5,118	4,948	4,659	4,731	4,663	4,322	4,247
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	More than one race	156	210	207	264	281	251	262	272	275	299
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	1,010	953	863	732	746	607	529	556	494	388
Non-science and engineering	Visual and performing arts	Female	Temporary resident	NA	1,788	1,865	2,195	2,377	2,689	2,737	2,933	2,806	2,727	2,513
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Hispanic or Latino	475	488	557	552	595	570	627	671	680	640
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	23	25	20	34	29	33	22	20	33	17
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Asian	278	299	278	298	294	281	320	248	294	239
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Black or African American	322	366	417	459	515	513	490	456	485	492
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	16	12	11	14	12	14	9	11	6	5
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	White	4,437	4,464	4,437	4,247	4,034	3,917	3,832	3,625	3,429	3,267
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	More than one race	107	157	185	184	216	214	179	210	244	210
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	713	756	680	577	569	506	396	344	339	268
Non-science and engineering	Visual and performing arts	Male	Temporary resident	NA	988	1,078	1,171	1,306	1,444	1,540	1,544	1,541	1,414	1,320

Table SHED-13

Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	4,806	5,247	5,717	6,244	6,700	7,161	7,603	8,411	9,031	9,501
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	319	320	354	337	348	346	363	355	378	409
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Asian	2,025	2,053	2,031	2,004	1,968	2,096	2,087	2,050	2,332	2,382
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Black or African American	8,320	9,044	9,366	9,633	9,945	9,720	10,198	10,594	10,821	10,928
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	103	110	119	100	118	126	124	124	121	123
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	White	32,483	32,165	31,634	31,489	31,220	30,880	31,371	33,035	32,886	33,813
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	More than one race	938	1,183	1,371	1,387	1,574	1,626	1,777	1,839	2,041	2,058
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	5,023	4,585	4,270	4,154	4,100	3,218	3,323	3,369	3,260	3,356
Non-science and engineering	Other non-science and engineering	Female	Temporary resident	NA	4,973	5,589	6,521	6,947	7,185	7,592	7,763	7,621	7,462	5,152
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	2,015	2,081	2,383	2,573	2,765	2,821	2,878	3,167	3,256	3,436
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	145	126	138	143	118	136	135	148	132	146
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Asian	900	905	903	914	855	979	942	920	1,019	950
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Black or African American	2,635	2,895	3,076	3,103	3,332	3,434	3,440	3,446	3,458	3,569
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	45	60	70	61	72	73	58	57	55	64
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	White	15,693	15,501	15,224	14,916	14,812	14,309	14,136	13,910	13,996	13,914
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	More than one race	333	465	480	531	596	610	643	704	749	771
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	2,847	2,495	2,249	2,253	2,112	1,933	1,885	1,892	1,625	1,722
Non-science and engineering	Other non-science and engineering	Male	Temporary resident	NA	3,803	4,141	4,588	4,922	5,143	5,196	5,219	5,066	4,700	3,105
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Hispanic or Latino	4,235	4,765	5,562	5,955	6,893	8,116	9,199	10,497	11,675	12,667
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	356	375	374	383	420	443	464	519	532	590
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Asian	4,262	4,525	5,045	5,611	5,974	6,687	7,281	7,961	8,153	8,711
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Black or African American	7,482	8,913	9,711	10,316	11,122	12,555	13,123	13,713	14,036	15,047
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	180	225	224	190	232	228	275	252	236	279
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	White	43,957	47,315	50,164	52,862	55,888	59,217	61,773	64,334	65,821	68,383
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	More than one race	723	979	1,380	1,544	1,927	2,181	2,358	2,646	2,797	3,009
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	6,025	6,048	6,188	6,154	6,289	6,646	6,719	7,213	7,519	7,932
Science and engineering-related	Health professions and related programs	Female	Temporary resident	NA	2,376	2,477	2,542	2,566	2,802	3,030	3,365	2,952	2,846	3,063
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Hispanic or Latino	1,058	1,287	1,466	1,611	1,878	2,172	2,513	2,771	3,053	3,402
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	74	102	110	118	111	110	102	90	115	115
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Asian	1,446	1,497	1,652	1,763	1,964	1,995	2,300	2,467	2,525	2,690
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Black or African American	1,444	1,672	1,910	1,999	2,207	2,426	2,465	2,686	2,766	2,810
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	48	72	74	59	71	68	68	82	87	83
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	White	9,596	10,248	10,652	11,219	12,039	12,844	12,986	13,331	13,543	13,805
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	More than one race	196	234	310	374	438	538	545	635	665	721
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	1,462	1,463	1,443	1,543	1,568	1,711	1,734	1,787	1,743	1,783
Science and engineering-related	Health professions and related programs	Male	Temporary resident	NA	1,328	1,321	1,338	1,343	1,531	1,575	1,571	1,428	1,334	1,388

Table SHED-13

Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Hispanic or Latino	23	45	52	42	66	102	105	102	111	148
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	3	3	5	4	3	7	6	8	7
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Asian	11	14	12	13	31	25	24	26	31	33
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Black or African American	74	92	101	112	130	170	150	127	151	168
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	3	1	4	3	0	1	3
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	White	238	289	352	412	458	482	492	551	533	574
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	More than one race	6	8	13	14	17	27	33	36	28	33
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	66	55	53	78	59	77	75	90	68	88
Science and engineering-related	Homeland security and fire protection	Female	Temporary resident	NA	3	6	9	12	17	8	13	11	22	23
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Hispanic or Latino	77	83	107	119	132	172	177	224	207	245
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	11	12	10	18	13	8	15	8	11
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Asian	13	24	31	33	43	39	43	53	68	72
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Black or African American	111	165	172	213	196	194	227	210	191	247
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	3	4	6	6	9	11	5	3	7
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	White	585	861	909	981	1,049	1,132	1,139	1,120	1,187	1,121
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	More than one race	9	26	30	31	21	53	52	43	39	75
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	175	129	173	156	148	172	146	197	133	164
Science and engineering-related	Homeland security and fire protection	Male	Temporary resident	NA	14	16	24	19	35	40	41	62	73	65
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Hispanic or Latino	200	164	185	171	194	158	181	186	205	218
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	15	27	19	12	13	12	9	9	10	18
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Asian	95	102	116	87	115	115	92	96	115	126
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Black or African American	202	182	154	131	150	109	139	110	132	127
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	4	3	3	7	1	4	3	2	3
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	White	2,137	1,953	1,726	1,495	1,688	1,589	1,663	1,594	1,718	1,832
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	More than one race	28	30	29	29	50	45	58	51	49	45
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	231	153	103	112	119	99	90	91	106	192
Science and engineering-related	Science and mathematics education	Female	Temporary resident	NA	61	61	56	66	47	39	38	35	30	26
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Hispanic or Latino	101	92	100	100	99	90	98	123	93	120
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	6	4	6	5	5	3	5	6	8	10
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Asian	62	54	54	49	61	38	58	55	60	56
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Black or African American	79	83	92	58	56	55	38	48	64	71
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	2	2	2	1	2	3	1
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	White	1,081	930	850	759	763	783	758	739	709	767
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	More than one race	16	16	18	17	25	19	29	21	19	17
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	135	98	87	54	67	50	53	36	51	54
Science and engineering-related	Science and mathematics education	Male	Temporary resident	NA	41	37	31	31	22	19	20	22	21	19

Table SHED-13

Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Hispanic or Latino	105	101	118	128	89	124	159	137	156	212
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	11	8	7	9	4	11	4	10	5	8
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Asian	93	118	75	85	88	106	115	120	136	153
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Black or African American	136	124	134	140	126	109	128	142	130	166
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	1	1	2	3	2	4	2	3
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	White	462	485	548	629	543	566	670	611	710	762
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	More than one race	18	16	27	22	31	37	33	43	41	45
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	79	79	122	82	73	64	37	64	86	131
Science and engineering-related	Technology and technical fields	Female	Temporary resident	NA	413	397	498	558	785	1,036	1,105	920	939	910
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Hispanic or Latino	256	197	300	273	279	269	331	293	337	410
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	18	14	19	20	23	17	15	14	16	16
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Asian	200	241	199	209	195	182	200	198	225	233
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Black or African American	208	247	265	294	284	310	271	269	289	313
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	9	3	8	4	5	4	4	5	7	3
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	White	1,705	1,688	2,041	1,945	1,967	1,918	1,933	1,926	1,967	1,993
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	More than one race	31	46	63	66	73	66	74	81	78	86
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	261	283	471	298	239	228	187	145	176	234
Science and engineering-related	Technology and technical fields	Male	Temporary resident	NA	994	1,061	1,110	1,358	1,920	3,004	2,629	1,885	1,632	1,526
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Hispanic or Latino	3	19	7	5	11	8	10	9	6	7
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	3	2	1	0	1	1	0	2	0
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Asian	10	6	4	3	10	6	9	10	4	5
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Black or African American	23	11	5	8	14	11	15	10	7	8
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	5	0	0	1	1	0	0	0	0
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	White	166	119	40	38	68	54	67	58	43	32
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	More than one race	0	8	4	1	4	3	4	4	3	3
Science and engineering-related	Other science and engineering-related fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	43	59	21	12	14	9	11	8	6	0
Science and engineering-related	Other science and engineering-related fields	Female	Temporary resident	NA	11	15	12	17	16	13	7	7	5	11
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Hispanic or Latino	79	55	7	10	10	9	13	16	9	9
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	6	6	0	5	4	0	1	0	0	0
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Asian	40	24	6	7	9	6	10	8	3	3
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Black or African American	75	63	20	11	20	18	18	13	6	8
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	1	0	0	0	1	0	0	0	0
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	White	900	555	129	117	149	125	129	115	63	74
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	More than one race	3	29	2	4	8	8	4	5	1	4
Science and engineering-related	Other science and engineering-related fields	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	220	316	69	37	25	31	17	16	5	9
Science and engineering-related	Other science and engineering-related fields	Male	Temporary resident	NA	26	46	27	23	36	29	20	15	14	8

NA = not available.

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs. Racial or ethnic breakouts include U.S. citizens and permanent residents only; temporary visa holder includes all racial or ethnic groups. Hispanic may be any race, and race categories exclude Hispanic origin.

Source(s):
National Center for Science and Engineering Statistics, special tabulations (2022) of the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey, provisional release data.

Science and Engineering Indicators

Table SHED-14

Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Hispanic or Latino	22	29	22	28	31	30	37	31	29	29
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	3	2	6	3	2	2	3	5	3
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Asian	27	13	21	19	31	25	29	34	26	27
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Black or African American	29	24	20	16	28	27	21	24	26	19
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	0	2	0	0	0
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	White	283	315	312	363	335	349	353	373	363	377
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	More than one race	0	3	4	11	9	15	7	13	13	14
Science and engineering	Agricultural sciences and natural resources	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	21	40	26	49	24	38	37	36	32	27
Science and engineering	Agricultural sciences and natural resources	Female	Temporary resident	NA	247	246	251	267	241	273	246	277	248	244
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Hispanic or Latino	24	19	30	26	30	26	24	33	26	32
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	1	3	2	3	1	4	5	3	2
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Asian	12	17	17	19	16	23	15	14	11	18
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Black or African American	13	12	14	15	17	20	23	17	17	20
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	0	0	0	0	0	1	0
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	White	312	350	323	376	369	322	341	347	296	328
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	More than one race	4	4	0	5	6	4	11	5	13	8
Science and engineering	Agricultural sciences and natural resources	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	29	37	29	32	38	26	29	28	22	16
Science and engineering	Agricultural sciences and natural resources	Male	Temporary resident	NA	286	282	274	308	303	323	336	319	347	288
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	187	228	215	244	274	248	276	282	273	310
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	17	16	13	12	12	8	10	13	8	10
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Asian	417	397	378	411	368	391	364	394	349	351
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Black or African American	169	192	179	148	160	182	195	149	183	160
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	4	9	7	7	5	5	8	5	1
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	White	2,045	2,041	2,140	2,060	2,004	2,007	2,136	1,967	2,019	1,910
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	More than one race	35	39	55	62	73	103	97	110	125	105
Science and engineering	Biological and biomedical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	262	224	249	186	192	177	194	180	151	165
Science and engineering	Biological and biomedical sciences	Female	Temporary resident	NA	1,060	1,092	1,184	1,162	1,083	1,075	1,089	1,012	1,062	932
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	144	163	170	195	178	196	194	252	227	227
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	15	9	4	10	11	16	2	8	7	8
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Asian	258	276	273	276	284	320	312	338	313	273
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Black or African American	103	106	95	80	93	103	105	98	87	91
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	2	3	2	5	6	1	5	2	4
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	White	1,846	1,851	1,969	1,888	1,900	1,946	1,964	1,920	1,841	1,748
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	More than one race	23	24	53	52	56	92	70	95	84	91
Science and engineering	Biological and biomedical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	227	208	216	199	173	164	193	159	136	156
Science and engineering	Biological and biomedical sciences	Male	Temporary resident	NA	1,063	1,021	1,080	1,039	1,011	977	963	932	949	877

Table SHED-14
Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	6	9	10	9	7	12	13	9	14	11
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	2	0	1	1	1	1	1	0
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Asian	37	29	34	32	25	25	34	42	35	47
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Black or African American	16	19	16	19	27	26	15	20	39	46
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	0	0	1	0
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	White	90	95	91	101	89	127	101	125	125	155
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	More than one race	0	1	1	3	4	2	7	5	13	10
Science and engineering	Computer and information sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	14	28	33	25	19	20	21	24	25	21
Science and engineering	Computer and information sciences	Female	Temporary resident	NA	197	170	216	250	217	223	234	271	284	352
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	20	31	21	33	29	33	35	27	32	54
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	5	4	0	1	2	1	1	0
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Asian	92	99	76	80	63	75	74	97	94	106
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Black or African American	23	33	36	38	42	36	39	44	47	70
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	0	0	0	2	1
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	White	436	436	463	434	427	402	393	408	451	401
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	More than one race	3	2	6	13	15	12	17	23	26	16
Science and engineering	Computer and information sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	80	67	81	73	67	72	62	64	63	81
Science and engineering	Computer and information sciences	Male	Temporary resident	NA	674	790	844	837	903	866	926	1,013	1,115	1,131
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	59	65	69	71	75	79	71	86	100	109
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	0	2	4	3	3	2	4	2	2
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Asian	171	193	214	203	195	203	218	218	208	230
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Black or African American	69	60	64	52	70	58	56	73	58	58
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	2	0	0	1	0	0	0	1
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	White	612	582	623	687	646	655	745	754	706	758
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	More than one race	13	14	17	32	22	32	32	44	38	70
Science and engineering	Engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	81	73	90	87	93	91	119	85	94	91
Science and engineering	Engineering	Female	Temporary resident	NA	986	1,140	1,194	1,239	1,290	1,331	1,397	1,461	1,544	1,542
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	130	131	176	213	202	216	207	224	217	238
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	6	11	8	7	8	8	12	5	6
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Asian	397	386	424	451	454	478	436	506	483	405
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Black or African American	103	114	100	110	123	113	107	117	102	109
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	6	6	1	3	4	0	5	2	2
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	White	1,952	2,063	2,251	2,271	2,261	2,161	2,157	2,177	2,073	1,978
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	More than one race	27	43	57	51	90	75	99	77	98	94
Science and engineering	Engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	256	293	271	288	263	290	292	217	237	214
Science and engineering	Engineering	Male	Temporary resident	NA	3,905	4,189	4,445	4,489	4,435	4,592	4,884	5,088	5,199	5,009

Table SHED-14
Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Geosciences, atmospheric, and ocean sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	15	13	11	20	15	25	28	21	29	27
Science and engineering	Geosciences, atmospheric, and ocean sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	4	2	4	0	2	1	0
Science and engineering	Geosciences, atmospheric, and ocean sciences	Female	U.S. citizen or permanent resident	Asian	13	8	13	10	18	16	16	7	20	16
Science and engineering	Geosciences, atmospheric, and ocean sciences	Female	U.S. citizen or permanent resident	Black or African American	8	5	5	3	7	3	6	9	5	4
Science and engineering	Geosciences, atmospheric, and ocean sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	0	1	0	0	0	0	0	0
Science and engineering	Geosciences, atmospheric, and ocean sciences	Female	U.S. citizen or permanent resident	White	207	241	251	210	230	242	265	252	242	235
Science and engineering	Geosciences, atmospheric, and ocean sciences	Female	U.S. citizen or permanent resident	More than one race	1	3	6	4	9	7	14	16	18	19
Science and engineering	Geosciences, atmospheric, and ocean sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	17	13	16	29	27	26	17	19	23	15
Science and engineering	Geosciences, atmospheric, and ocean sciences	Female	Temporary resident	NA	100	119	102	114	120	119	120	130	111	120
Science and engineering	Geosciences, atmospheric, and ocean sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	8	18	15	16	16	22	18	24	24	20
Science and engineering	Geosciences, atmospheric, and ocean sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	4	0	1	4	0	0	3	2	1
Science and engineering	Geosciences, atmospheric, and ocean sciences	Male	U.S. citizen or permanent resident	Asian	7	7	10	9	16	16	18	20	17	10
Science and engineering	Geosciences, atmospheric, and ocean sciences	Male	U.S. citizen or permanent resident	Black or African American	10	8	8	8	5	9	9	5	4	9
Science and engineering	Geosciences, atmospheric, and ocean sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	0	0	1	0	0	0
Science and engineering	Geosciences, atmospheric, and ocean sciences	Male	U.S. citizen or permanent resident	White	245	257	277	281	302	297	266	298	305	257
Science and engineering	Geosciences, atmospheric, and ocean sciences	Male	U.S. citizen or permanent resident	More than one race	5	3	4	4	5	8	10	8	12	11
Science and engineering	Geosciences, atmospheric, and ocean sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	21	20	24	26	26	23	23	28	18	22
Science and engineering	Geosciences, atmospheric, and ocean sciences	Male	Temporary resident	NA	155	152	192	165	205	177	218	216	248	207
Science and engineering	Health sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	101	102	161	197	237	221	263	280	312	375
Science and engineering	Health sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	15	18	14	13	17	20	23	19	25	17
Science and engineering	Health sciences	Female	U.S. citizen or permanent resident	Asian	203	206	210	245	245	293	308	381	435	447
Science and engineering	Health sciences	Female	U.S. citizen or permanent resident	Black or African American	281	281	373	423	548	577	653	827	893	924
Science and engineering	Health sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	3	4	6	6	8	10	3	16	14
Science and engineering	Health sciences	Female	U.S. citizen or permanent resident	White	1,983	1,970	2,276	2,310	2,495	2,586	2,758	2,952	3,115	2,922
Science and engineering	Health sciences	Female	U.S. citizen or permanent resident	More than one race	10	35	42	46	64	97	83	107	134	117
Science and engineering	Health sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	207	205	226	233	271	243	333	320	368	407
Science and engineering	Health sciences	Female	Temporary resident	NA	348	325	348	305	376	382	422	425	434	407
Science and engineering	Health sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	42	52	54	79	69	84	94	105	100	124
Science and engineering	Health sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	4	8	6	9	4	8	3	2	5
Science and engineering	Health sciences	Male	U.S. citizen or permanent resident	Asian	88	78	90	96	111	103	116	136	126	163
Science and engineering	Health sciences	Male	U.S. citizen or permanent resident	Black or African American	86	75	93	97	130	160	159	176	183	211
Science and engineering	Health sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	6	3	4	3	4	3	6	2
Science and engineering	Health sciences	Male	U.S. citizen or permanent resident	White	603	675	640	727	742	827	869	850	952	879
Science and engineering	Health sciences	Male	U.S. citizen or permanent resident	More than one race	9	17	10	18	31	34	40	27	36	43
Science and engineering	Health sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	94	95	87	78	89	95	113	132	105	133
Science and engineering	Health sciences	Male	Temporary resident	NA	234	241	243	241	302	318	318	316	359	267

Table SHED-14
Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Hispanic or Latino	10	6	7	7	9	10	15	18	11	20
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	1	0	1	0	0	0	1	0
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Asian	22	34	32	31	33	46	34	38	42	38
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Black or African American	10	6	9	6	11	4	12	13	10	9
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	White	163	170	179	161	157	162	153	158	159	168
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	More than one race	4	3	4	3	12	6	10	11	6	9
Science and engineering	Mathematics and statistics	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	15	22	22	19	29	25	28	26	15	7
Science and engineering	Mathematics and statistics	Female	Temporary resident	NA	247	289	285	276	276	269	311	330	342	295
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Hispanic or Latino	29	28	28	28	53	36	44	42	45	51
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	2	0	1	3	3	1	1	0	1
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Asian	48	68	47	49	68	81	77	66	72	65
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Black or African American	11	21	18	14	25	17	19	15	20	16
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	1	2	0	0	2	1	1	0
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	White	473	482	529	515	499	521	535	517	449	446
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	More than one race	5	8	9	5	23	21	19	28	24	22
Science and engineering	Mathematics and statistics	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	60	61	62	59	59	50	61	52	60	42
Science and engineering	Mathematics and statistics	Male	Temporary resident	NA	571	623	631	626	597	674	692	688	767	770
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	9	8	6	8	16	7	16	13	17	24
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	0	0	0	0	1	1	0	0	1
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Female	U.S. citizen or permanent resident	Asian	13	14	16	21	11	18	22	21	23	21
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Female	U.S. citizen or permanent resident	Black or African American	8	11	10	12	26	17	17	17	14	26
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	0	0	0	0	1	1	0	0
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Female	U.S. citizen or permanent resident	White	117	112	104	102	126	121	147	151	173	184
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Female	U.S. citizen or permanent resident	More than one race	3	1	1	3	4	8	4	5	11	7
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	9	10	25	11	23	17	14	13	11	16
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Female	Temporary resident	NA	50	56	49	54	67	65	81	68	104	110
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	10	7	6	6	12	10	11	10	12	16
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	1	0	1
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Male	U.S. citizen or permanent resident	Asian	8	9	9	10	14	9	7	14	11	14
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Male	U.S. citizen or permanent resident	Black or African American	3	4	9	4	10	6	11	11	14	8
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	0	0	0	0	0	0	0	0
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Male	U.S. citizen or permanent resident	White	79	95	88	94	117	97	94	116	99	139
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Male	U.S. citizen or permanent resident	More than one race	1	0	1	3	3	1	3	4	9	3
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	14	8	10	7	16	15	12	10	11	13
Science and engineering	Multidisciplinary/ interdisciplinary sciences	Male	Temporary resident	NA	42	50	54	66	44	62	58	57	67	73
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	45	57	42	57	60	61	62	81	73	93

Table SHED-14
Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	2	6	4	2	4	2	0	2	1
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Asian	112	103	98	108	99	100	127	134	106	92
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Black or African American	33	52	52	54	48	41	45	38	19	41
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	2	2	0	1	4	0	2	1
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	White	582	628	598	644	640	648	718	685	685	642
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	More than one race	6	14	15	10	33	25	29	39	42	34
Science and engineering	Physical sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	76	60	84	87	64	69	52	59	57	40
Science and engineering	Physical sciences	Female	Temporary resident	NA	594	602	670	682	630	628	658	703	665	703
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	89	76	105	94	103	118	123	133	123	141
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	6	10	7	3	5	7	5	4	6
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Asian	129	131	135	142	154	175	184	186	155	151
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Black or African American	47	48	61	54	53	51	55	56	51	46
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	1	3	2	0	3	2	0	0
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	White	1,406	1,431	1,412	1,499	1,582	1,576	1,541	1,617	1,527	1,346
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	More than one race	24	25	30	38	31	42	51	69	64	64
Science and engineering	Physical sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	182	164	179	183	163	137	130	113	103	104
Science and engineering	Physical sciences	Male	Temporary resident	NA	1,322	1,349	1,465	1,343	1,457	1,458	1,468	1,436	1,343	1,360
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Hispanic or Latino	275	351	417	415	481	456	413	448	468	490
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	14	26	16	20	20	12	16	18	10	20
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Asian	205	189	206	230	208	191	212	222	204	194
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Black or African American	254	302	350	392	379	348	320	361	367	417
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	3	7	4	10	4	3	6	7	4
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	White	2,169	2,283	2,423	2,297	2,221	2,231	2,086	1,990	2,190	2,025
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	More than one race	34	45	67	63	84	101	100	123	117	135
Science and engineering	Psychology	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	275	345	297	289	297	283	284	252	252	257
Science and engineering	Psychology	Female	Temporary resident	NA	238	248	226	254	222	271	264	261	203	284
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Hispanic or Latino	111	98	116	129	158	134	139	147	127	170
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	8	6	6	7	5	4	5	7	6
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Asian	46	54	47	64	61	57	55	60	61	61
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Black or African American	59	67	76	97	88	95	82	83	111	124
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	0	1	0	1	3	0	3
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	White	835	904	912	847	847	888	888	864	824	754
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	More than one race	13	14	21	22	34	21	28	39	40	49
Science and engineering	Psychology	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	104	109	109	97	111	81	87	88	73	88
Science and engineering	Psychology	Male	Temporary resident	NA	77	103	107	101	98	98	100	85	86	79
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino	116	109	121	116	128	135	133	145	140	144

Table SHED-14
Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	8	13	19	21	16	7	19	6	15	9
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Asian	138	147	145	126	115	140	156	147	138	134
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Black or African American	121	134	143	147	128	171	141	153	140	170
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	3	1	1	1	3	5	3	3	7
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	White	1,096	1,071	1,135	1,187	1,082	1,083	1,070	1,033	1,002	900
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	More than one race	21	23	34	34	32	50	61	75	49	60
Science and engineering	Social sciences	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	157	169	178	197	181	163	151	141	104	125
Science and engineering	Social sciences	Female	Temporary resident	NA	611	617	660	622	633	648	696	689	711	666
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino	85	94	88	107	129	101	103	128	118	112
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	9	11	9	9	10	11	10	5	9	7
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Asian	84	70	86	88	84	91	95	83	96	84
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Black or African American	79	94	104	88	90	103	95	85	109	86
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	1	4	1	1	2	4	2	0
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	White	1,098	1,173	1,084	1,164	1,159	1,124	1,055	1,043	1,008	857
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	More than one race	14	19	16	30	20	37	40	35	44	33
Science and engineering	Social sciences	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	164	146	175	188	154	130	136	125	100	85
Science and engineering	Social sciences	Male	Temporary resident	NA	873	799	804	861	889	911	867	962	915	925
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Hispanic or Latino	43	65	63	60	68	91	59	74	80	89
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	5	4	8	6	6	5	5	7	6
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Asian	59	72	66	86	70	82	72	74	69	62
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Black or African American	177	219	256	297	288	316	305	340	344	439
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	1	2	6	4	3	2	1	1
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	White	405	464	463	482	506	469	424	513	461	533
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	More than one race	4	8	8	9	20	18	30	25	33	38
Non-science and engineering	Business	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	113	102	107	142	123	156	156	188	172	220
Non-science and engineering	Business	Female	Temporary resident	NA	232	242	273	256	255	277	278	309	285	290
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Hispanic or Latino	53	67	70	79	100	96	85	83	94	115
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	6	7	4	9	5	6	4	5	7	6
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Asian	80	98	86	100	105	114	98	76	69	68
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Black or African American	140	168	213	202	259	256	254	302	265	319
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	2	0	0	3	2	6	2	3	2
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	White	584	651	669	686	764	682	729	641	602	590
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	More than one race	6	6	7	12	23	16	18	25	28	28
Non-science and engineering	Business	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	141	122	169	160	191	197	216	228	200	213
Non-science and engineering	Business	Male	Temporary resident	NA	383	402	389	381	417	413	423	468	461	413
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Hispanic or Latino	437	462	544	545	603	633	706	776	715	797

Table SHED-14
Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	47	44	42	47	43	61	43	50	37	44
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Asian	217	246	237	255	266	262	239	270	243	309
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Black or African American	1,220	1,276	1,368	1,522	1,510	1,749	1,587	1,747	1,730	2,141
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	10	20	9	17	18	26	13	10	23	21
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	White	3,620	3,822	3,929	4,050	4,214	4,304	4,298	4,331	4,362	4,336
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	More than one race	37	49	67	85	96	123	154	165	179	215
Non-science and engineering	Education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	504	467	494	530	477	560	557	568	548	647
Non-science and engineering	Education	Female	Temporary resident	NA	336	381	353	386	420	405	461	464	474	457
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Hispanic or Latino	212	196	217	262	283	294	343	340	355	342
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	19	28	24	24	26	20	23	24	14	17
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Asian	79	91	85	96	83	80	99	83	125	104
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Black or African American	446	463	500	490	491	592	609	661	672	724
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	9	12	11	10	6	6	7	6	12
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	White	1,853	1,934	1,919	2,193	2,005	2,148	2,117	2,122	2,117	2,037
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	More than one race	23	29	17	36	43	53	55	69	61	76
Non-science and engineering	Education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	240	215	222	230	218	265	250	262	212	249
Non-science and engineering	Education	Male	Temporary resident	NA	177	217	209	208	227	249	250	281	244	251
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Hispanic or Latino	146	159	125	159	169	168	162	179	174	146
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	14	13	9	7	13	8	9	5	4	5
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Asian	90	79	109	96	82	88	91	78	88	75
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Black or African American	115	116	105	103	131	122	123	111	123	140
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	1	0	2	2	3	0	2	1	1
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	White	1,375	1,365	1,384	1,397	1,411	1,290	1,263	1,237	1,129	933
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	More than one race	21	19	24	27	38	39	38	56	55	47
Non-science and engineering	Humanities	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	213	195	203	198	176	161	140	129	141	118
Non-science and engineering	Humanities	Female	Temporary resident	NA	355	359	317	295	355	313	360	378	353	317
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Hispanic or Latino	118	129	148	164	133	159	180	153	174	165
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	4	15	10	9	8	14	9	5	5	6
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Asian	103	106	90	96	76	85	87	85	95	79
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Black or African American	137	98	124	120	105	100	126	137	128	172
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	5	2	1	3	2	2	2	4	3
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	White	1,583	1,714	1,618	1,590	1,553	1,524	1,530	1,353	1,547	1,266
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	More than one race	17	28	19	32	21	35	34	42	48	46
Non-science and engineering	Humanities	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	198	209	210	212	187	200	181	145	167	148
Non-science and engineering	Humanities	Male	Temporary resident	NA	409	444	406	333	358	395	416	448	372	416
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Hispanic or Latino	23	28	25	22	30	30	36	35	39	37

Table SHED-14
Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	1	2	2	1	6	3	1	1	2
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Asian	65	75	68	77	66	51	59	68	77	75
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Black or African American	18	18	16	23	29	21	19	18	15	19
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	0	0	0	0	1	1	0	1	0
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	White	424	440	435	474	481	485	404	423	399	367
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	More than one race	6	10	10	8	15	17	11	28	18	15
Non-science and engineering	Visual and performing arts	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	67	63	59	62	63	56	54	53	50	33
Non-science and engineering	Visual and performing arts	Female	Temporary resident	NA	249	258	234	222	207	233	270	260	251	240
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Hispanic or Latino	30	44	39	42	37	51	37	36	47	46
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	4	1	1	5	2	1
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Asian	15	28	18	27	35	22	28	28	38	29
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Black or African American	17	18	21	23	21	23	27	25	25	23
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	2	1	0	0	1	0	0
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	White	491	504	523	488	501	482	503	549	455	441
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	More than one race	3	10	7	11	18	15	13	22	16	17
Non-science and engineering	Visual and performing arts	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	52	53	61	51	48	36	44	46	42	44
Non-science and engineering	Visual and performing arts	Male	Temporary resident	NA	130	138	132	136	141	137	147	166	150	184
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino	57	53	76	73	84	86	82	99	113	92
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	9	7	8	3	9	14	12	11	8
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Asian	60	63	64	69	73	83	70	64	55	65
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Black or African American	149	182	216	237	205	231	202	278	297	316
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	2	0	3	4	1	4	2	2	3
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	White	742	737	791	807	764	779	795	793	763	654
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	More than one race	17	15	11	23	31	27	33	38	37	50
Non-science and engineering	Other non-science and engineering	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	91	128	130	136	106	102	77	94	112	84
Non-science and engineering	Other non-science and engineering	Female	Temporary resident	NA	305	325	306	329	326	318	349	381	379	305
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino	37	26	30	34	43	40	49	57	42	54
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	5	5	10	3	3	6	5	7	2
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Asian	31	26	20	23	24	32	28	36	30	31
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Black or African American	81	76	106	122	81	100	108	125	106	131
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	0	1	3	0	1	3	0	2
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	White	463	499	516	542	495	483	486	507	436	431
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	More than one race	6	6	7	16	10	19	15	14	25	25
Non-science and engineering	Other non-science and engineering	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	74	80	68	71	75	68	71	79	69	75
Non-science and engineering	Other non-science and engineering	Male	Temporary resident	NA	317	286	270	292	294	277	319	315	334	334
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Hispanic or Latino	0	1	5	0	6	3	2	2	3	3

Table SHED-14
Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	0	0	1	1	0	0
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Asian	2	2	0	3	0	2	1	1	1	4
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Black or African American	3	6	5	6	2	4	5	4	3	6
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	White	49	60	74	40	49	61	37	55	68	48
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	More than one race	0	0	1	1	1	3	1	1	5	2
Science and engineering-related	Health professions and related programs	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	4	6	4	2	4	3	3	2	1	2
Science and engineering-related	Health professions and related programs	Female	Temporary resident	NA	11	5	13	16	9	15	13	14	14	12
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Hispanic or Latino	6	2	3	3	7	3	2	5	5	4
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	0	1	0
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Asian	1	3	3	6	4	1	4	0	4	1
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Black or African American	5	7	3	4	4	3	1	3	3	3
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	White	66	61	71	72	66	56	62	69	75	56
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	More than one race	1	0	2	1	0	1	4	2	4	3
Science and engineering-related	Health professions and related programs	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	2	2	2	6	5	2	2	5	6	3
Science and engineering-related	Health professions and related programs	Male	Temporary resident	NA	25	26	22	28	35	26	22	21	21	25
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Hispanic or Latino	0	1	0	2	0	2	1	0	2	2
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	0	0	0	0	0	0
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Black or African American	0	0	1	0	0	2	3	5	4	3
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	White	1	1	3	6	7	4	6	4	9	5
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	More than one race	0	0	0	0	0	0	1	1	1	2
Science and engineering-related	Homeland security and fire protection	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	0	1	1	1	1	1	0	3	2	4
Science and engineering-related	Homeland security and fire protection	Female	Temporary resident	NA	0	1	1	0	0	0	0	0	0	1
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Hispanic or Latino	0	0	0	1	1	0	0	0	2	1
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	0	1	0
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Asian	0	0	0	0	1	0	0	0	0	0
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Black or African American	0	1	2	4	8	5	0	3	2	1
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	White	0	4	6	15	17	12	7	16	12	12
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	More than one race	0	0	0	0	1	0	0	3	0	1
Science and engineering-related	Homeland security and fire protection	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	0	0	1	2	1	4	0	6	5	2
Science and engineering-related	Homeland security and fire protection	Male	Temporary resident	NA	0	0	0	2	1	1	2	1	2	1
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Hispanic or Latino	7	6	3	3	5	5	4	3	3	3
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Asian	5	2	6	3	3	3	5	9	1	2
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Black or African American	12	6	4	9	11	5	9	8	11	11
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	1	0	0
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	White	60	65	65	61	48	39	49	59	52	35
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	More than one race	0	0	8	1	1	2	2	1	3	1

Table SHED-14
Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2012–21

(Number)

Field area	Broad field	Sex	Citizenship	Race and ethnicity	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Science and engineering-related	Science and mathematics education	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	15	10	6	4	10	4	5	4	6	8
Science and engineering-related	Science and mathematics education	Female	Temporary resident	NA	10	8	15	11	14	20	14	18	17	11
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Hispanic or Latino	0	1	0	3	4	2	2	5	2	1
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	1	0	0	0
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Asian	4	5	4	2	1	1	3	2	1	1
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Black or African American	5	5	4	3	8	8	2	8	9	6
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	White	42	29	30	45	34	27	34	13	31	21
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	More than one race	0	2	1	1	0	0	0	0	1	0
Science and engineering-related	Science and mathematics education	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	7	14	2	6	8	5	3	0	4	2
Science and engineering-related	Science and mathematics education	Male	Temporary resident	NA	10	8	9	11	11	15	14	11	6	9
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Hispanic or Latino	0	1	1	1	1	3	2	1	0	1
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	1	0	0	0	0	0	0	0
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Asian	1	3	0	1	5	5	4	3	4	3
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Black or African American	2	2	0	3	1	0	2	2	2	4
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	White	13	12	12	14	17	17	14	17	17	8
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	More than one race	0	0	0	1	0	0	0	1	0	0
Science and engineering-related	Technology and technical fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	2	0	2	0	1	0	2	1	2	2
Science and engineering-related	Technology and technical fields	Female	Temporary resident	NA	10	18	10	14	16	14	18	20	18	31
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Hispanic or Latino	1	3	0	3	5	3	1	1	2	2
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	1	0	0	0	0	1	0	0
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Asian	3	4	3	4	0	4	4	5	5	5
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Black or African American	3	2	1	5	3	5	1	5	4	4
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	White	20	24	31	35	38	44	33	32	33	41
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	More than one race	1	0	1	1	2	0	2	1	0	0
Science and engineering-related	Technology and technical fields	Male	U.S. citizen or permanent resident	Unknown race and ethnicity	3	2	2	1	2	0	6	2	3	1
Science and engineering-related	Technology and technical fields	Male	Temporary resident	NA	29	33	41	34	34	36	33	39	20	47
Science and engineering-related	Other science and engineering related fields	Female	U.S. citizen or permanent resident	Asian	0	0	0	0	0	0	0	0	0	2
Science and engineering-related	Other science and engineering related fields	Female	U.S. citizen or permanent resident	White	0	0	1	0	0	0	1	0	0	0
Science and engineering-related	Other science and engineering related fields	Female	U.S. citizen or permanent resident	Unknown race and ethnicity	0	0	0	0	0	0	1	0	1	0
Science and engineering-related	Other science and engineering related fields	Female	Temporary resident	NA	0	0	0	1	0	0	0	0	0	0
Science and engineering-related	Other science and engineering related fields	Male	U.S. citizen or permanent resident	White	1	3	2	3	2	3	5	0	3	0
Science and engineering-related	Other science and engineering related fields	Male	Temporary resident	NA	0	0	0	0	0	0	1	2	1	0

NA = not available.

Note(s):
Data are based on institutions eligible to participate in Title IV federal financial aid programs. Doctoral degree programs include research doctoral degree programs only, and do not include professional doctoral programs (e.g., Doctor of Medicine). Racial or ethnic breakouts include U.S. citizens and permanent residents only; temporary visa holder includes all racial or ethnic groups. Hispanic may be any race, and race categories exclude Hispanic origin.

Source(s):
National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey.

Science and Engineering Indicators

Table SHED-15

S&E bachelor's degrees awarded to American Indian or Alaska Native, Black or African American, and Hispanic or Latino students, by field: 2012 and 2021

(Percent)

Race and ethnicity and field	2012	2021
American Indian or Alaska Native	0.6	0.4
Agricultural sciences and natural resources	0.9	0.7
Biological and biomedical sciences	0.6	0.4
Computer and information sciences	0.6	0.4
Engineering	0.4	0.3
Geosciences, atmospheric sciences, and ocean sciences	0.8	0.4
Mathematics and statistics	0.3	0.2
Multidisciplinary and interdisciplinary sciences	0.8	0.4
Physical sciences	0.5	0.3
Psychology	0.7	0.5
Social sciences	0.7	0.5
Black or African American	9.7	9.2
Agricultural sciences and natural resources	2.9	3.7
Biological and biomedical sciences	7.7	8.8
Computer and information sciences	11.8	9.6
Engineering	4.4	4.7
Geosciences, atmospheric sciences, and ocean sciences	2.2	3.3
Mathematics and statistics	5.7	5.1
Multidisciplinary and interdisciplinary sciences	8.6	7.7
Physical sciences	7.1	6.8
Psychology	12.5	12.5
Social sciences	12.9	12.1
Hispanic or Latino	11.2	18.3
Agricultural sciences and natural resources	5.8	12.4
Biological and biomedical sciences	9.8	17.4
Computer and information sciences	10.3	13.5
Engineering	9.8	15.0
Geosciences, atmospheric sciences, and ocean sciences	6.1	13.4
Mathematics and statistics	7.5	13.3
Multidisciplinary and interdisciplinary sciences	11.0	19.1
Physical sciences	7.8	14.9
Psychology	12.9	22.7
Social sciences	13.4	22.7

Note(s):

Data are based on institutions eligible to participate in Title IV federal financial aid programs. Hispanic or Latino may be any race; race categories exclude Hispanic origin. Represents U.S. citizens and permanent residents only.

Source(s):

National Center for Science and Engineering Statistics, special tabulations (2022) of the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey, provisional release data.

Science and Engineering Indicators

Table SHED-16
International master's students on visas who are enrolled in U.S. universities, by field and selected regions, countries, or economies of origin: 2022

(Number)

Region, country, or economy	All fields	S&E										S&E-related	Non-S&E
		All S&E fields	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Mathematics and statistics	Multidisciplinary and interdisciplinary sciences	Physical sciences	Psychology	Social sciences		
Total	302,150	190,760	2,780	7,570	95,130	47,900	11,770	11,710	2,050	2,240	9,610	18,180	93,210
India	145,380	113,300	580	2,810	72,020	27,040	2,520	6,800	330	330	870	9,510	22,570
China	71,370	43,050	570	2,430	13,190	12,140	6,720	2,350	550	740	4,380	2,510	25,820
Taiwan	6,010	3,230	30	150	1,180	1,150	260	210	40	70	140	350	2,430
Nigeria	6,070	2,870	170	310	860	570	190	160	250	60	300	710	2,490
Nepal	3,510	2,390	210	180	990	560	90	110	70	20	160	220	900
Bangladesh	3,690	2,340	60	110	880	700	120	120	110	10	230	220	1,130
South Korea	6,030	1,910	50	100	530	480	140	190	30	70	330	400	3,720
Canada	4,260	1,230	60	190	230	230	100	110	30	120	170	590	2,440
Ghana	2,260	1,200	70	90	180	170	250	60	110	30	240	170	880
Pakistan	2,330	1,160	30	50	480	290	60	100	20	30	110	200	960
Saudi Arabia	2,770	1,110	30	80	260	390	80	50	50	40	150	500	1,150
Vietnam	1,920	780	10	40	290	170	110	70	20	20	40	80	1,060
Brazil	2,800	680	100	60	140	130	30	60	20	40	100	110	2,000
Iran	1,470	670	20	60	140	250	30	70	40	10	40	130	680
Colombia	2,060	660	50	50	100	190	50	60	40	30	110	100	1,300
Mexico	2,040	640	60	50	60	190	40	70	20	30	110	100	1,300
France	1,560	600	10	20	70	310	60	40	10	10	70	50	910
Japan	1,820	530	20	30	90	90	20	50	10	30	190	110	1,180
Turkey	1,150	500	10	20	230	120	20	30	10	20	40	40	620
United Kingdom	1,680	430	20	40	80	40	30	40	10	40	130	110	1,140
Other locations	31,990	11,470	630	700	3,140	2,680	850	970	280	500	1,720	1,980	18,540

Note(s):
Data include active foreign national students on F-1 visas enrolled in-person at U.S. higher education institutions. Individuals approved for optional practical training are excluded. Physical sciences includes geosciences, atmospheric sciences, and ocean sciences. Numbers are rounded to the nearest 10. Places of origin are ordered by total number of S&E students. Detail may not add to total because of rounding. The data reflect fall enrollment in a given year and include students with active status as of 15 November of that year.

Source(s):
National Center for Science and Engineering Statistics, special tabulations (2022) of the U.S. Department of Homeland Security, U.S. Immigration and Customs Enforcement, Student and Exchange Visitor Information System (SEVIS).

Table SHED-17
International doctoral students on visas who are enrolled in U.S. universities, by field and selected regions, countries, or economies of origin: 2022

(Number)

Region, country, or economy	All fields	S&E											S&E-related	Non-S&E
		All S&E fields	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Health sciences	Mathematics and statistics	Multidisciplinary and interdisciplinary sciences	Physical Sciences	Psychology	Social sciences		
Total	141,640	117,390	3,100	14,500	13,070	38,490	8,580	6,640	1,700	17,050	2,880	11,390	730	23,520
China	43,480	36,980	640	4,560	5,130	12,560	1,290	3,070	440	5,350	890	3,050	180	6,320
India	20,590	18,430	410	2,300	2,760	6,780	1,000	760	200	2,880	310	1,020	80	2,080
South Korea	8,880	6,090	120	560	380	1,750	770	360	90	530	280	1,230	90	2,700
Bangladesh	6,130	5,780	130	520	980	2,580	200	190	70	810	20	280	20	330
Iran	6,250	5,610	90	320	660	3,350	160	100	90	550	80	220	50	590
Canada	5,080	3,990	80	370	130	390	2,100	90	50	270	230	280	20	1,080
Nigeria	4,180	3,440	170	550	190	950	390	140	70	660	50	270	40	710
Taiwan	3,280	2,760	60	430	220	1,010	240	100	30	460	70	170	20	500
Nepal	2,600	2,460	220	420	250	530	100	80	40	680	10	130	0	140
Saudi Arabia	3,090	2,190	30	190	370	660	410	130	50	150	40	160	30	870
Turkey	2,230	1,830	20	160	160	760	30	70	20	130	100	380	20	380
Brazil	2,020	1,500	170	240	50	410	60	50	30	160	40	290	10	510
Sri Lanka	1,540	1,490	40	180	80	260	20	140	10	740	10	30	0	50
Ghana	1,840	1,460	80	270	50	300	130	130	60	230	30	200	20	360
Vietnam	1,640	1,450	20	180	190	330	210	130	20	240	40	110	0	190
Pakistan	1,590	1,360	40	120	240	480	60	20	20	230	20	140	10	220
Mexico	1,510	1,160	60	210	30	270	60	70	30	230	30	180	0	350
Colombia	1,470	1,130	70	200	40	340	30	70	20	150	20	190	10	330
Egypt	1,180	1,060	10	140	50	500	90	10	10	200	10	50	10	110
Italy	1,190	820	20	90	40	190	30	60	20	100	20	250	0	370
Other locations	21,860	16,410	630	2,490	1,060	4,120	1,220	880	350	2,300	590	2,780	110	5,340

Note(s):
Data include active foreign national students on F-1 visas enrolled in-person at U.S. higher education institutions. Individuals approved for optional practical training are excluded. Physical sciences includes geosciences, atmospheric sciences, and ocean sciences. Numbers are rounded to the nearest 10. Places of origin are ordered by total number of S&E students. Detail may not add to total because of rounding. The data reflect fall enrollment in a given year and include students with active status as of 15 November of that year.

Source(s):
National Center for Science and Engineering Statistics, special tabulations (2022) of the U.S. Department of Homeland Security, U.S. Immigration and Customs Enforcement, Student and Exchange Visitor Information System (SEVIS).